

1971-72

**DIRECTOR OF MEDICAL
AND HEALTH SERVICES**



ANNUAL DEPARTMENTAL REPORT



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HONG KONG
ANNUAL DEPARTMENTAL REPORT
BY THE
DIRECTOR OF MEDICAL AND HEALTH SERVICES
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I. INTRODUCTION

THE Medical and Health Department is responsible for administering services which provide medical and health care for the community of Hong Kong. It operates hospitals and clinics throughout both the urban and the rural areas, maintains maternal and child health, school health, and port health services, and undertakes measures for the control of epidemic and endemic diseases. The department carries out its functions through two main divisions. The medical division is responsible for the treatment and rehabilitation of the sick in hospitals, and the health division promotes personal and public health. The department works closely with other departments holding statutory responsibility for safeguarding public health. These are the Urban Council, the Urban Services Department, the Labour Department and the New Territories Administration. To some of these departments, doctors are seconded.

2. During the year, the general health of the population continued to be good. Considerable improvements were made in the control of those communicable diseases, which have been the major causes of mortality and morbidity in the last 20 years. The incidence of diphtheria, poliomyelitis and measles remained at a low level as a result of immunization campaigns. There was no outbreak of cholera, but precautionary measures against the disease were maintained. In fact, cholera has not appeared in Hong Kong since notification of the last case in October 1969.

3. While tuberculosis remained a major cause of mortality among the communicable diseases, the Colony faced increasing problems arising from non-communicable diseases. The other major causes of death were cancer, heart and hypertensive diseases, pneumonia and cerebral-vascular lesions. Problems in caring for the sick and disabled increased as a result of industrialization, urbanization, and the increase in proportion of population in the elderly age group.

4. The department's development programme made steady progress. Thirty projects were being either planned, or built, for the improvement and expansion of health and medical facilities in the urban and rural areas at the end of the year. A newly-completed urban standard clinic in the north of Kwai Chung was opened in November 1971. Other projects under construction included the New Lai Chi Kok Hospital, the new Vaccine Institute at Pok Fu Lam, the stage one of the Kwai Chung South Polyclinic, a reprovisioning of the mortuary, virus laboratory and clinical pathology services, the construction of a new clinical building at Queen Mary Hospital, and the Medical Department Laundry.

5. There was increasing use of the department's services by the public, and attendances at general out-patients and specialist out-patients clinics remained high. The number of patients admitted to, and treated in, government hospitals showed an increase compared with the previous year. There was also a greater appreciation of the value of personal health services, and attendances at maternal and child health centres, and other health services, continued to be satisfactory.

6. In the pages that follow, the state of the public health and the more important developments in the work of the department are reviewed. There are also references to the major voluntary agencies receiving substantial grants from government funds to support their medical activities. Detailed information covering all this can be found in the statistical appendix to this report, the index to which is on page 64.

II. PUBLIC HEALTH

(Tables 6-20)

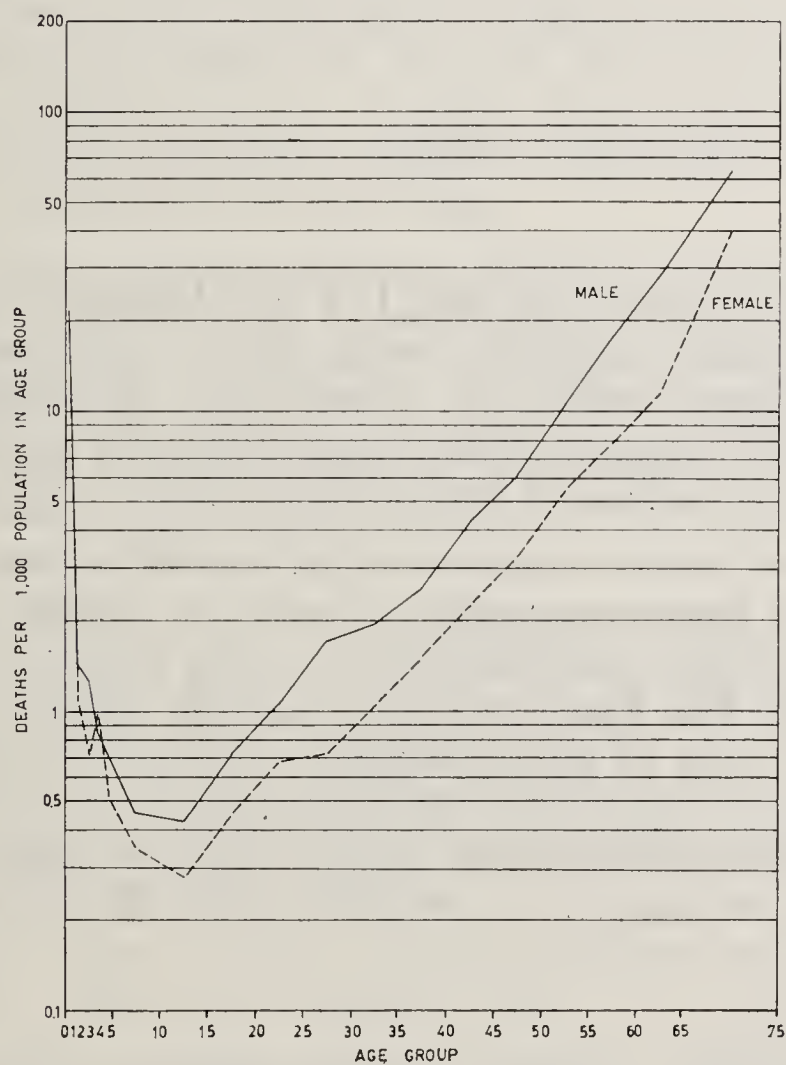
VITAL STATISTICS

(Tables 6-12)

7. The estimated population of Hong Kong in the middle of 1971 was 4,045,300 and approximately 83 per cent of this total was concentrated in the urban areas of the Island, Kowloon and New Kowloon.

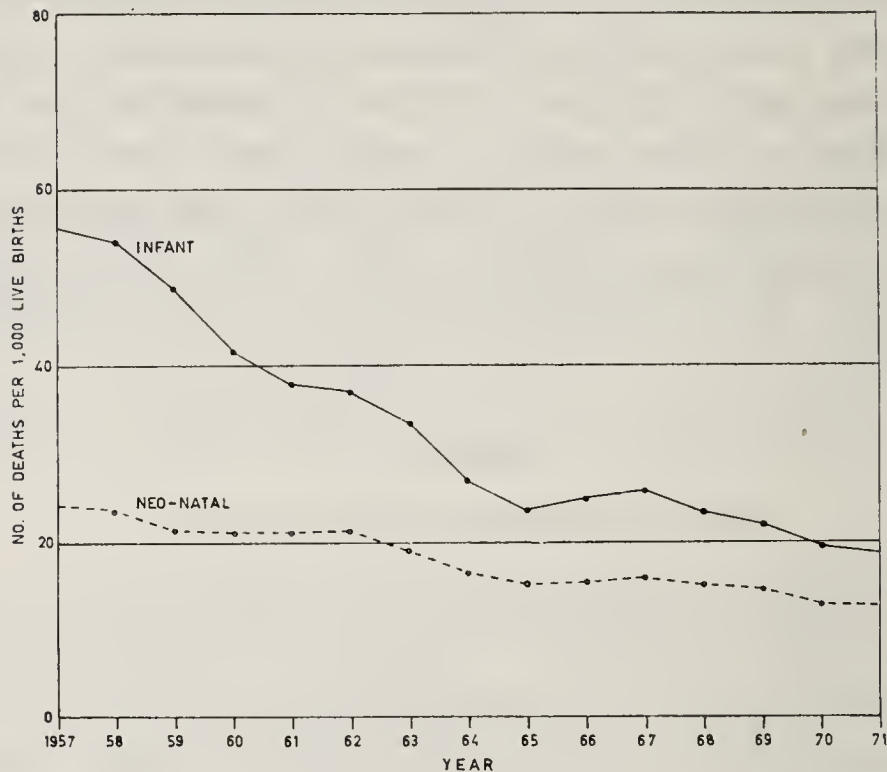
In regard to age, about 36 per cent was under 15, and 7.4 per cent over 60. The general state of health continued to be satisfactorily reflected by the vital statistics. The crude death rate, based on the number of deaths registered, was 5.0 per thousand of the population. As shown in Figure 1, age and sex specific death rates were also low, and reflected the rapid improvement of health and medical services in a young and expanding population. The birth pattern continued its downward trend, and the crude birth rate fell to 19.0 per thousand of the population.

FIGURE 1
AGE & SEX SPECIFIC DEATH RATE—1971



8. There was a gratifying decline in the infant and neo-natal mortality rates. This useful index to the trend of health conditions of the general population is illustrated in Figure 2.

FIGURE 2
INFANT AND NEO-NATAL MORTALITY RATE 1957 - 71



Infant Mortality

9. The infant mortality rate was 18.4 per thousand live births. The steady decline in infant mortality during the year was due to improvement in environmental conditions, development of maternal and child health services, and increasing public appreciation of the value of these services in the maintenance of health among infants and mothers.

10. Among the major causes of infant mortality, there were reductions in mortality from preventable diseases, particularly bronchopneumonia, gastro-enteritis, and tuberculosis. In the last four years, deaths from measles also fell. There has been a steady reduction in mortality from prematurity, due to improvement in the midwifery and maternal health services. As was also the experience elsewhere, congenital malformations and other diseases of the new-born proved during the year to be more intractable, and mortality from those causes was only little affected.

Maternal Mortality

11. Here also the statistics reached standards prevailing in the technically-advanced countries of the world. The rate in 1971 was 0.14 per thousand total births. During recent years, great reduction in mortality rates have been effected in toxæmia of pregnancy, haemorrhage and puerperal sepsis. There was also some reduction in mortality from

abortion and ectopic pregnancy, and deaths attributed to other diseases occurring during pregnancy, or childbirth, also decreased.

General Mortality

12. The marked social and economic changes occurring in Hong Kong during the years following the Second World War were again reflected in the mortality trends and patterns of diseases during the year. These have changed considerably in the past two decades. Improvements in the general level of public health were demonstrated by the decline in proportionate mortality from infectious, respiratory and intestinal diseases, while the ageing of the population—still predominantly young—was reflected in the increasing mortality from heart and hypertensive, cerebrovascular and neoplastic diseases.

13. In all age-groups, malignant neoplasms were the main causes of death, being responsible for 20.9 per cent of all deaths in 1971. The first five leading causes of death were cancer, diseases of the heart including hypertensive diseases, pneumonia, cerebro-vascular disease, and tuberculosis—in that order.

14. The death rate from cancer continued to increase, rising from approximately 30 per 100,000 of the population for both sexes in 1950, to 69.7 in 1961, and to 104.7 in 1971. Among women, the common causes of death from cancer were cancer of the breast and cancer of the uterine cervix. In the community as a whole, the common cancer deaths were cancer of the lung, primary cancer of the liver, nasopharyngeal cancer, and cancer of the stomach.

15. Heart disease, including hypertensive disease, was the second leading cause of death with a mortality rate of 58.9 per 100,000 of the populations in 1961, increasing to 73.0 in 1971.

16. Pneumonia was the third leading cause of death. The disease was a major cause of death in 1955-57, but the mortality rate dropped from 85.8 in 1961 to 55.9 in 1971.

17. Cerebro-vascular disease, fourth in the list, had a mortality rate of 44.2 in 1961. This rose to 48.35 in 1971.

18. Mortality from tuberculosis showed a steady decline, falling from 60.2 in 1961, to 30.9 in 1971.

19. The eighth revision of the International Statistical Classification of Diseases, Injuries and Causes of Death, published by the World Health Organization, came into use on 1st January, 1969. All registered

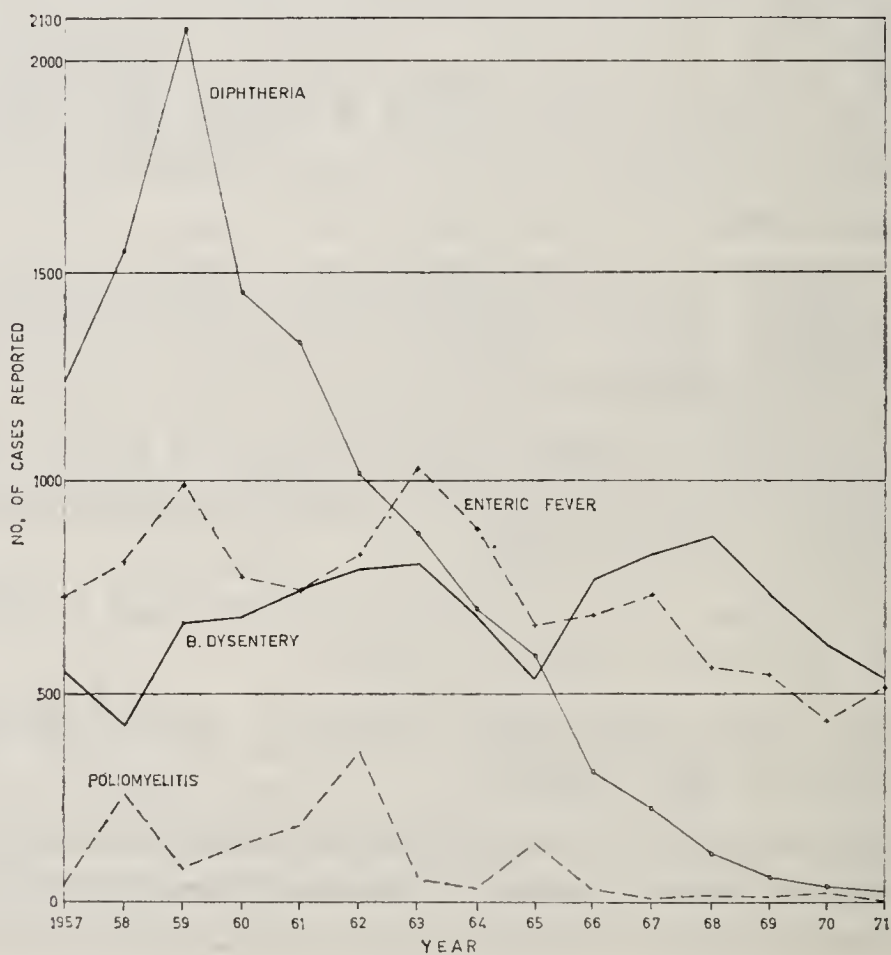
medical practitioners were supplied with a supplement of the eighth revision, and were requested to ensure that the nomenclature of causes of death given by them on death certificates complied with those in the International Classification.

20. Use was made during the year of computer facilities in mortality statistics, and it is hoped that this will result in a better handling of mortality data.

COMMUNICABLE DISEASES
(Tables 13-16)

21. The total of notifications of communicable diseases during 1971 was 11,410. Of this figure, tuberculosis comprised 79.1 per cent. Satisfactory progress continued to be made in the control of diphtheria and poliomyelitis. The incidence of bacillary dysentery continued its downward trend, but a slight increase in the incidence of enteric fever was noted. Trends in the occurrence of these four diseases are shown in Figure 3. The number of measles cases continued to remain low since the beginning of the annual anti-measles vaccination campaign in late 1967.

FIGURE 3
INCIDENCE OF MAJOR INFECTIOUS DISEASES 1957 - 1971



Cholera

22. Since the last reported case of cholera in October 1969, Hong Kong has remained free from the disease. The cholera surveillance programme was continued on a year-round basis. This included routine sampling of nightsoil for cholera vibrio, routine bacteriological investigation of specimens sent to the department's pathology laboratories of cases of gastro-enteritis, as well as the sampling of well water and of foodstuffs liable to be involved in the transmission of the vibrio. No positive samples were obtained from these investigations.

23. Unlike previous years, no mass immunisation campaign was carried out, but emphasis was placed on the importance of personal, environmental and food hygiene as safeguards, both against cholera and the other intestinal groups of communicable diseases. Strict quarantine restrictions were maintained in respect of countries declared infected.

Amoebiasis

24. This disease continued to occur endemically, being most prevalent in overcrowded urban areas. A total of 66 cases was notified. The disease remained predominantly one affecting adult males.

Bacillary Dysentery

25. This disease showed a further decline in incidence, falling from 609 cases in 1970 to 543 cases in 1971. It affected all ages, but 40.1 per cent of the notifications were in respect of children under five. *Shigella flexneri* and *Shigella sonnei* remained the predominant organisms isolated.

26. Transmission of infection among families and in institutions was a feature of the disease, and as in the past, a few symptomless carriers were detected among members of the same family, or inmates of the same institution. In all, a total of 290 carriers were discovered during investigations of reported cases during the year. All were given appropriate treatment.

Chickenpox

27. This is generally a common disease among children. During the period under review, a total of 443 cases was notified, almost all being under 15. The seasonal prevalence of the disease being in the winter and spring, the earlier part of the year saw an increase in the number of notifications.

Diphtheria

28. Only 25 cases of the disease were notified during the year, an even lower figure than the 43 cases recorded in the previous year. As a result of annual immunization drives since 1959, the disease has shown a continuous and steady decline, falling from 2,087 cases in 1959 to 25 cases in 1971. The disease affects largely children, and 76 per cent of the year's cases were under 10. Two deaths were recorded, giving a case fatality rate of eight per cent. *Corynebacterium diphtheria mitis* remained the predominant organism isolated in clinical cases.

Enteric Fever

29. The number of cases notified was 515, an increase of 77 cases over the preceding year. The disease was generally mild, and the case fatality rate was less than two per cent. Transmission of infection was frequently associated with neglect in personal and food hygiene. As elsewhere in the world, the peak incidence occurred among children of school age and young adolescents. Free inoculation was offered, and the usual preventive measures enforced, with special attention to environmental and food hygiene, and the control of food premises.

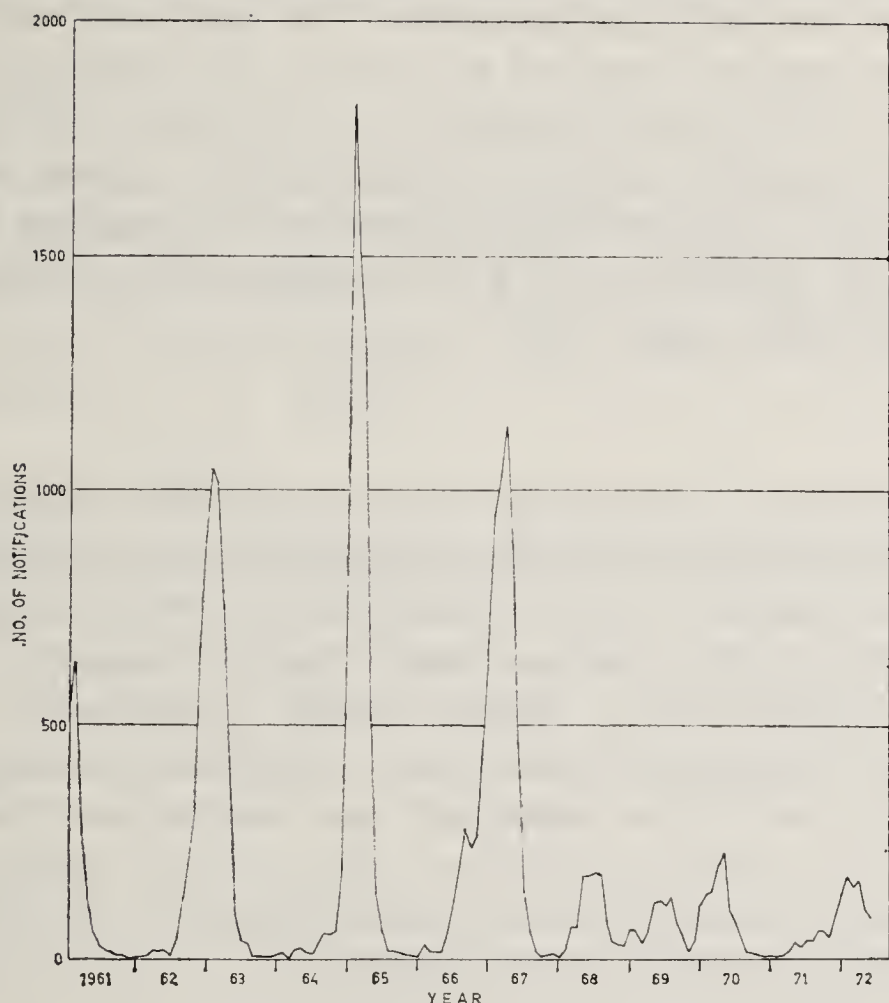
Malaria

30. The incidence of malaria during recent years has fallen to a very low level, and again no fresh case of the disease due to natural transmission was reported. Of the nine cases recorded during the year, seven were imported, one was recurrent, and one was due to blood transfusion.

Measles

31. A total of 591 notifications of the disease was received during the year. As shown in Figure 4, the incidence of measles in Hong Kong has in previous years tended to fall into a distinct biennial pattern, with exacerbation of the disease every alternate winter and spring. Since December 1967, measles vaccine has been available regularly at all government maternal and child health centres, and during campaign periods, the vaccine has also been made available through mobile teams to children living in resettlement and housing estates, tenement buildings, and other crowded areas. Since the last epidemic in 1966-67, the disease incidence and its mortality have remained low. These results were due, at least in part, to immunization campaigns which are now on a year-round basis, and continuing health education efforts to encourage parents to seek early medical advice.

FIGURE 4
MONTHLY MEASLES NOTIFICATIONS, 1961 - MAY 1972



Poliomyelitis

32. Only two cases of poliomyelitis were reported during the year. This showed a significant reduction when compared with 27 cases in 1970, and was the lowest recorded since the introduction of the poliomyelitis vaccination campaign in 1963. Both cases were of the type 3 poliovirus infection, confirmed by laboratory investigation. The programme of vaccination consisted of giving one dose of type 1 polio-vaccine, soon after birth, followed by two doses of balanced trivalent vaccine at three and five months. Beginning in October 1971, a booster dose of the vaccine was introduced at the age of about 18 months.

33. Approximately 74 per cent of infants received one dose of type 1 polio-vaccine soon after birth, and 72 per cent of infants received two doses of the trivalent vaccine at maternal and child health centres. A general immunization campaign is mounted annually in January and March.

34. Virological investigation of the disease was maintained throughout the year. A poliomyelitis faecal survey among normal children under five was carried out in July-September. The result showed that the excretor rate of 'vaccine' types of poliovirus was about 0.96 per cent among a total of 518 children included in the survey. The 'wild' types of poliovirus (type 3) were detected in two children giving an excretor rate of 0.38 per cent. The findings in the survey indicated the continuing existence of 'wild' poliovirus type 3 in the community—responsible for nearly all clinical cases since 1970.

Influenza

35. The surveillance programme for influenza was continued on a year-round basis. Several general out-patient clinics have been designated as influenza surveillance centres, and these reported regularly the number of influenza-like illnesses seen. The government virus unit continued to function as a World Health Organization National Influenza Centre during the year, and virological investigations of throat swabbings and throat washings were carried out routinely on samples taken from influenza-like cases. Deaths from influenza, pneumonia and bronchitis were recorded regularly as part of the programmes of epidemiological surveillance of the disease.

36. The disease occurred sporadically from February to September 1971, but high incidences of influenza A and B virus infections were observed in June and July respectively. The most prevalent strain of influenza A virus was A/Hong Kong/68 (H3N2). A/England/878/69 variant was detected twice in March, and a new antigenic variant A/Hong Kong/107/71 was detected in September. The latter strain was closely studied by both the government virus unit and the World Influenza Centre.

Tetanus

37. This disease, although not notifiable, was recorded during the period under review, as in the past, with reasonable accuracy owing to the severity of the symptoms, requiring hospitalization of clinical cases. In past years, approximately half the cases reported were among the new-born whose births had not been attended by trained staff and who had been exposed to various hazards from unsterile equipment. In

1971, tetanus neonatorum was responsible for only 15.5 per cent of the recorded cases, and infant mortality from such infection fell from 1.2 deaths per 1,000 in 1951 to 0.117 deaths in 1971.

Viral Hepatitis

38. Notification of this disease remained voluntary. A total of 357 cases was notified in 1971. Most cases were among adolescents and adults, and a higher proportion was found among males. During the year, steps were taken to promote better and more complete reporting and investigation of the disease.

Japanese B encephalitis

39. This disease among humans is encountered occasionally in Hong Kong, and during the year, four cases were reported. All were from the New Territories, and all were children under 10. The disease is transmitted by a mosquito vector and the important species known to transmit the disease is *Culex tritaeniorhynchus*. This mosquito is found in the rural areas of the New Territories.

40. Humans and horses are only incidental hosts to the Japanese encephalitis virus, but pigs are considered important reservoirs. In June, five horses at the Royal Hong Kong Jockey Club stables at Beas River, New Territories, were found to be infected by the virus. Preventive and control measures against the disease were immediately reinforced, including mosquito control and personal anti-mosquito measures. The affected horses were isolated. There was no connection between the occurrence of the four human cases mentioned earlier, which came from other areas of the New Territories, and this outbreak. A serological survey of the incidence of the Japanese encephalitis virus infection among horses was subsequently carried out. There was no evidence of extensive virus dissemination among the horses. (See paragraph 91 for details).

Acute Kerato-Conjunctivitis

41. This disease is of worldwide distribution. It occurs as sporadic cases, but epidemics are often reported. In the beginning of August 1971, there was a sudden increase in the number of patients attending the three government ophthalmic clinics for treatment of acute conjunctivitis. Between August 5 and 7, a total of 1,571 cases was treated.

In the following week, the number of cases rose to 4,909. After August 16, the number of cases began to decline, and by the end of August, the incidence of the disease returned to normal.

42. The disease was of acute onset, causing redness and soreness of the eyes, and so became known locally as 'red eye'. It tended to spread among families and in public places such as swimming pools. Clinically the disease presented a picture suggestive of the adenovirus type of conjunctivitis. Laboratory examinations were carried out of conjunctival and throat swabs taken from patients. Preliminary findings suggested that the disease was of viral origin.

43. During the outbreak, the public were advised to observe the rules of personal hygiene, and were informed of the possible danger of contracting the disease in swimming pools. At the same time, measures were stepped up to ensure that the filtration and chlorination plants in swimming pools were working properly. The disease was self-limiting, and there was no evidence of further outbreaks after the peak was reached in August.

44. Developments in certain other communicable diseases are reviewed later in this report. The remainder showed little variation during 1971, and require no comment.

III. WORK OF THE HEALTH DIVISION

(Tables 21-46)

AREA HEALTH WORK

45. Much of the work of area health officers, apart from their duties with the Urban Services Department in the maintenance of satisfactory standards of environmental sanitation and food hygiene, has been recounted in the preceding paragraphs on epidemiology. Such work included during the year not only field investigations into the major communicable diseases, but also the co-ordination of the activities of teams of inoculators participating in prophylactic immunization drives.

46. Four such drives were carried out, and reference has already been made to three, namely, poliomyelitis, measles and diphtheria (and in the latter campaign the vaccine used combined immunization against

diphtheria with active anti-tetanus prophylaxis). The fourth, promoting smallpox vaccination, was held in February 1972. The increasing importance of Hong Kong in international travel by sea and air, and the prevalence of smallpox in nearby countries, underlined the need to maintain high level of community protection against the disease.

TUBERCULOSIS

(Tables 21-27)

47. Tuberculosis remained the major health problem in Hong Kong. The policy for control of the disease continued during the year to be to protect, by vaccination with B.C.G., the new-born, who were particularly vulnerable to the fulminating forms of the disease, and primary school entrants and school leavers who could develop active disease later in life. For actual cases of the disease, it was shown that in a large proportion of cases, out-patient therapy was at least as good as institutional treatment. It was gratifying to note that in complete contrast to the past, no waiting list for hospital admission for the treatment of tuberculosis was necessary in 1971, and a further 32 tuberculosis beds, making a total of 185 tuberculosis beds in the last two years, were made available for other uses. Institutional resources, still considerable, were reserved for those not responding to out-patient therapy, for acutely ill cases, for those where the diagnosis was in doubt, and for those in need of surgical intervention. In the execution of this policy, there was a high degree of co-operation between the Government and Voluntary Agencies concerned with the problem, particularly the Hong Kong Anti-Tuberculosis and Thoracic Diseases Association, the Haven of Hope Sanatorium, and the Tung Wah Group of Hospitals. The government chest service maintained the B.C.G. vaccination and out-patient treatment programme, while the Voluntary Agencies, aided by substantial government subventions, maintained most of the hospitals.

48. To keep pace with the rapid changes occurring in the fields of treatment and prevention of tuberculosis, close liaison was maintained with agencies outside Hong Kong. During the year, there was intense activity, in collaboration with the Medical Research Council of the United Kingdom, as to ways by which the treatment of tuberculosis could be made more efficient and cheaper as well as shortened. The study of

policies of chemotherapy in Hong Kong showed that an initial period of six months of three drugs is no more effective than an initial period of three months of three drugs, and the results were presented at the 21st International Tuberculosis Conference at Moscow. The study also showed that expensive routine pre-treatment sensitivity tests, were not as essential as previously believed, and should not be used on a routine basis. Investigations of international interest were carried out with regard to second-line drugs, and a belief prevailed that the problems of drug toxicity associated with second line drugs could be overcome so that these drugs could be given without the present initial period of hospitalization.

49. The joint study with the World Health Organization, namely the Comparative Study of Different Techniques of giving B.C.G. Vaccination to newborn infants in Hong Kong, continued on a follow-up basis. During the year, a new survey was begun of children born on or after 11th July, 1966, and notified as suffering or dying from tuberculosis. In this connection, the collaboration of the Medical Research Council Statistical Research and Services Unit was obtained. In certain parts of the world, direct B.C.G. is given to children of school age and a study to evaluate its role in Hong Kong came under planning. Another study, also under planning, was related to the differentiation between tuberculin positivity due to B.C.G. and that due to tuberculosis, or infection with atypical myco bacteria.

Case Finding

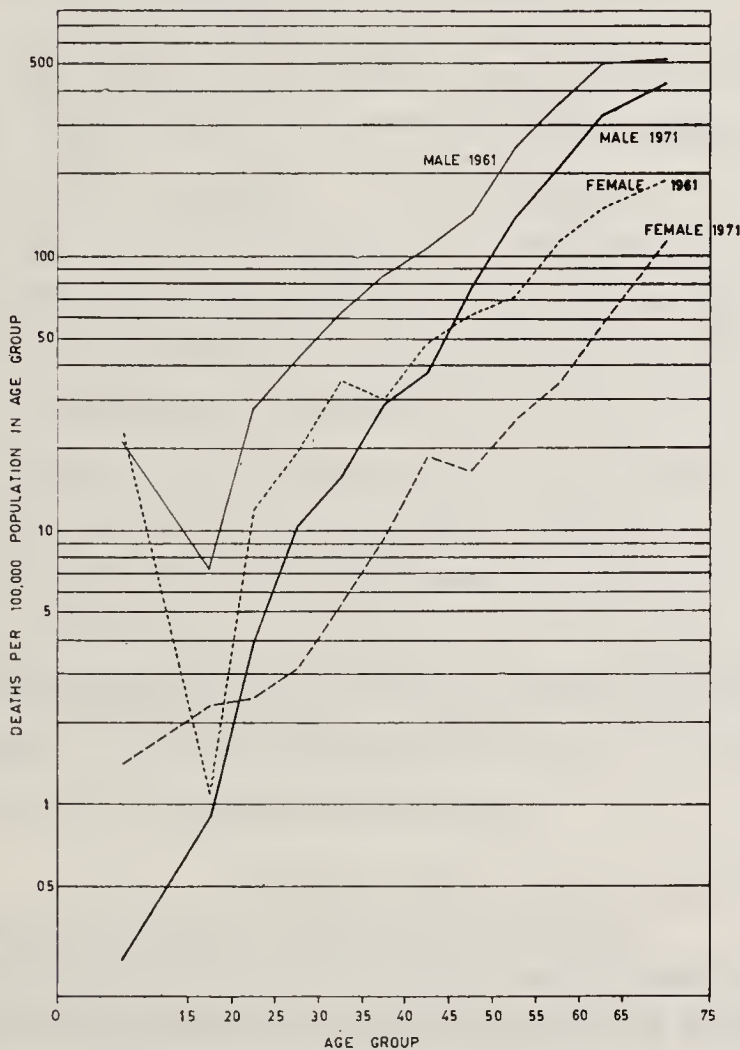
50. In the past, the many patients attending the chest clinics made large scale case-finding undesirable. With improved facilities and the decrease in the number of patients, case-finding during the year came to play an increasingly important role. Emphasis was placed in 1971 on symptom-motivated patients, and health education techniques were used to ensure a proper understanding of the disease. The chest unit participated in the Fisheries Exhibition at Aberdeen from 14th to 19th February, 1972.

Mortality and Morbidity

51. During the year, there was a marked fall in the tuberculosis death rate from 36.3 to 30.9. The majority of deaths continued

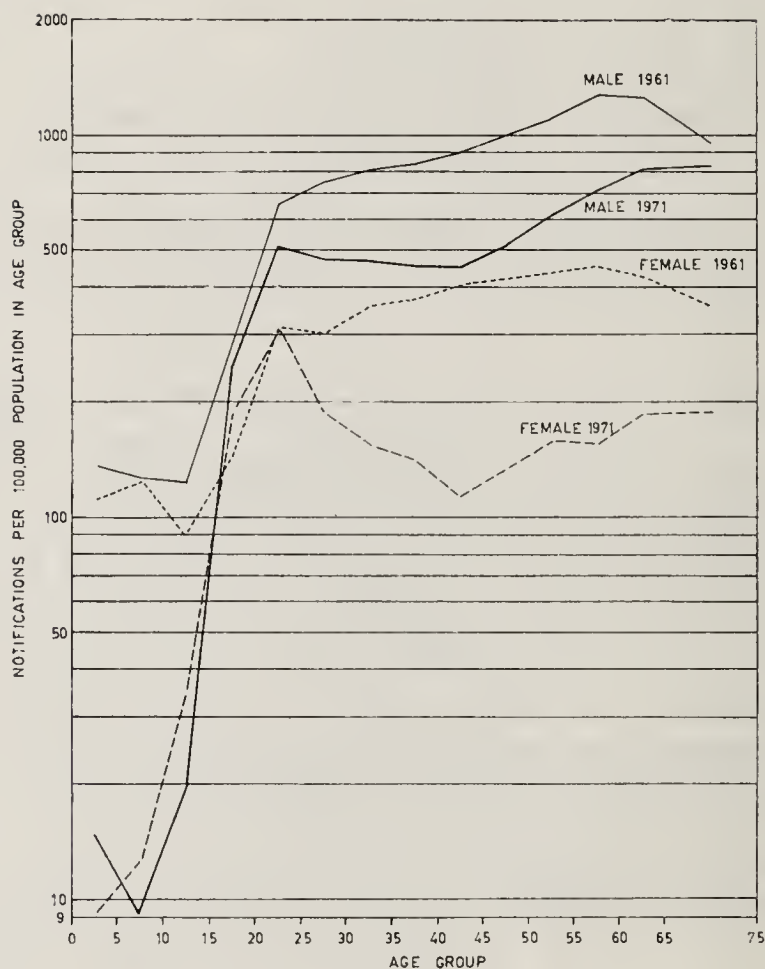
to occur in elderly males who had been suffering from tuberculosis for many years, and who died of its sequelae rather than from active tuberculosis. Tuberculosis mortality by age and sex is shown in Figure 5.

FIGURE 5
TUBERCULOSIS MORTALITY BY AGE & SEX
1961 AND 1971



52. Also during the year, the notification rate fell to 223.2 per 100,000 of the population. Figure 6 shows the changes which have taken place in age and sex specific notification rates. There were marked reductions in the incidence of the disease during childhood. There was little change in the vulnerability of adolescents, and some reduction in the incidence of the disease among middle-aged adults. The high susceptibility of males, except in childhood, corresponded with the patterns recorded elsewhere in the world.

FIGURE 6
TUBERCULOSIS NOTIFICATIONS BY AGE & SEX
1961 AND 1971



Working of the Government Chest Service

53. The government chest clinics provided ambulatory chemotherapy services for the great majority of cases of tuberculosis, hospital admission being reserved for emergencies, cases requiring investigation, and those requiring second-line drugs or surgical intervention. Increasing attention was paid to the public health aspects of tuberculosis. Seventy-four Health Auxiliaries, whose main duties consist of contact tracing and home visiting, were attached to the chest service. They were supervised by one Senior Health Visitor and eleven Health Visitors. Patients had all aspects of the disease thoroughly explained to them by Health Visitors and were given explanatory leaflets. Regular attendance for out-patient chemotherapy was regarded as being of paramount impor-

tance, and considerable emphasis was placed on the follow-up of defaulters, and on ensuring that contacts were examined. The clinics also provided medical social work, contact tracing and supervisory services, and undertook surveys of selected groups such as government employees and prisoners, in co-operation with the radiological service. A regular financial grant was allowed where a family depended on the patient's earnings and no other source of income could be found to maintain the dependants during his hospitalization.

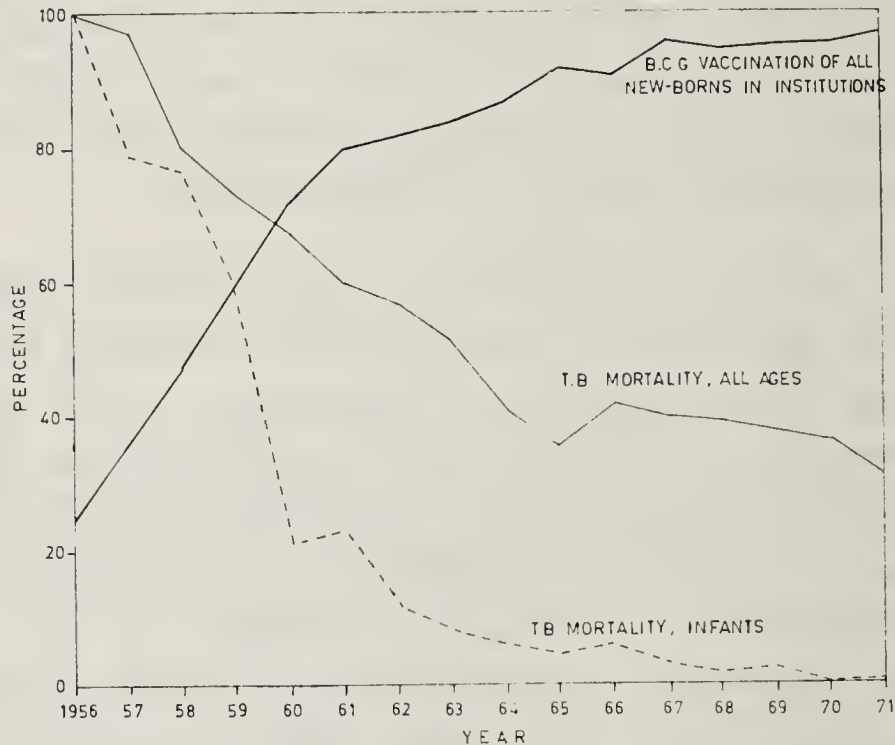
54. During the year, attendances at government chest clinics remained at the high level of 1,657,332. The standard treatment of tuberculosis was three months of Streptomycin, PAS and INAH followed by intermittent, fully-supervised Streptomycin and high dosage INAH. Intermittent Streptomycin and high dosage INAH had, in the majority of cases, replaced the monthly issues of PAS/INAH tablets as the follow-up treatment of choice. At the end of 1971, there were 5,281 cases on intermittent Streptomycin and INAH compared with 2,631 cases on PAS/INAH. Twice-weekly fully-supervised PAS 10 gms. and INAH 750 mgms. was a new regimen now being evaluated with, so far, encouraging indications. Although anti-T.B. drugs were extremely efficient, the total duration of treatment remained long, at 18 to 24 months. If a means for shortening the course of treatment could be found, this would be of major importance.

The Bacille Calmette-Guérin (B.C.G.) Campaign

55. With the high density of population and comparatively high prevalence of tuberculosis, in Hong Kong B.C.G. has a vital role to play in the prevention of the disease. The B.C.G. campaign, as in previous years was mainly directed at the newly-born, school entrants and school leavers. During the year, 96 per cent of the newly-born were given B.C.G. Bearing in mind that the remaining four per cent usually had some contra-indication to B.C.G. (for example, prematurity) this represented an almost 100 per cent coverage of eligible babies, perhaps the highest in the world. The decline in infant mortality from tuberculosis which resulted is shown in Figure 7.

FIGURE 7

TUBERCULOSIS MORTALITY & B.C.G. VACCINATION OF NEW-BORNS 1956 - 1971
(MORTALITY RATES AS PERCENTAGE OF 1956 RATES)



56. B.C.G. was brought to schools by 10 inoculators divided into five teams for tuberculin testing and the administration of B.C.G. It takes approximately two years for all schools to be covered.

57. The work of hospitals dealing with tuberculosis cases is reviewed elsewhere in this report.

SOCIAL HYGIENE SERVICE

(Tables 29-33)

58. The incidence of venereal diseases rose by 11 per cent during 1971. The increase was considered slight compared with many other parts of the world. The incidence in the teenage group was approximately 6 per cent of the total cases of venereal diseases. The trends over the past ten years are illustrated in Figures 8 to 10.

FIGURE 8
SYPHILIS 1972 - 1971

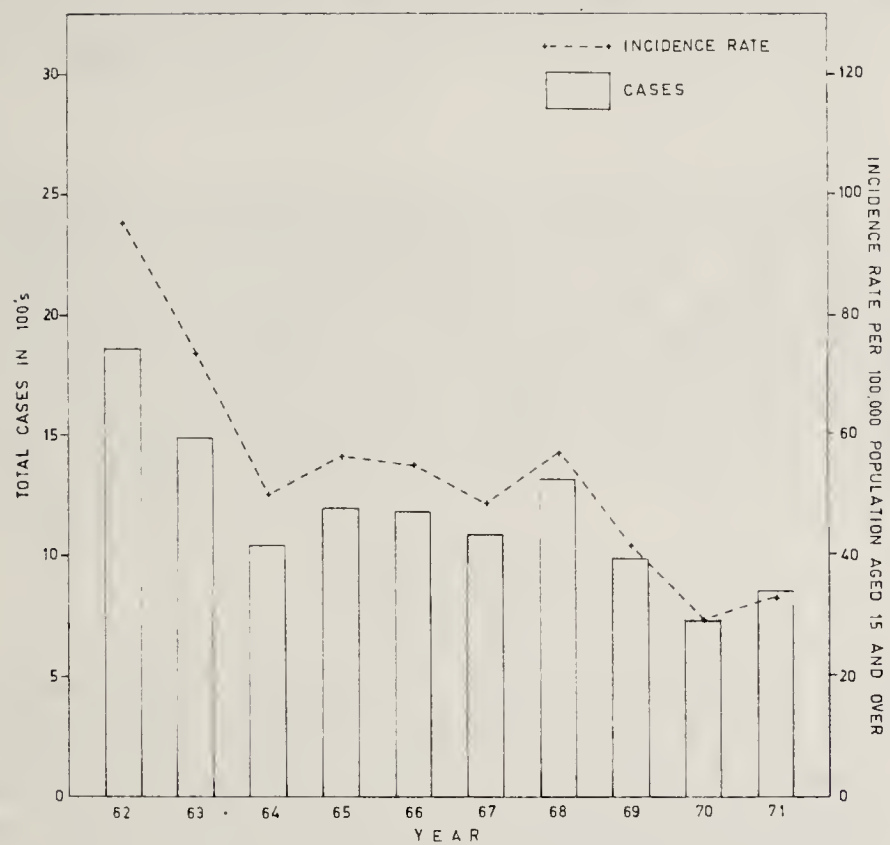


FIGURE 9
INFECTIOUS SYPHILIS 1962 - 1971

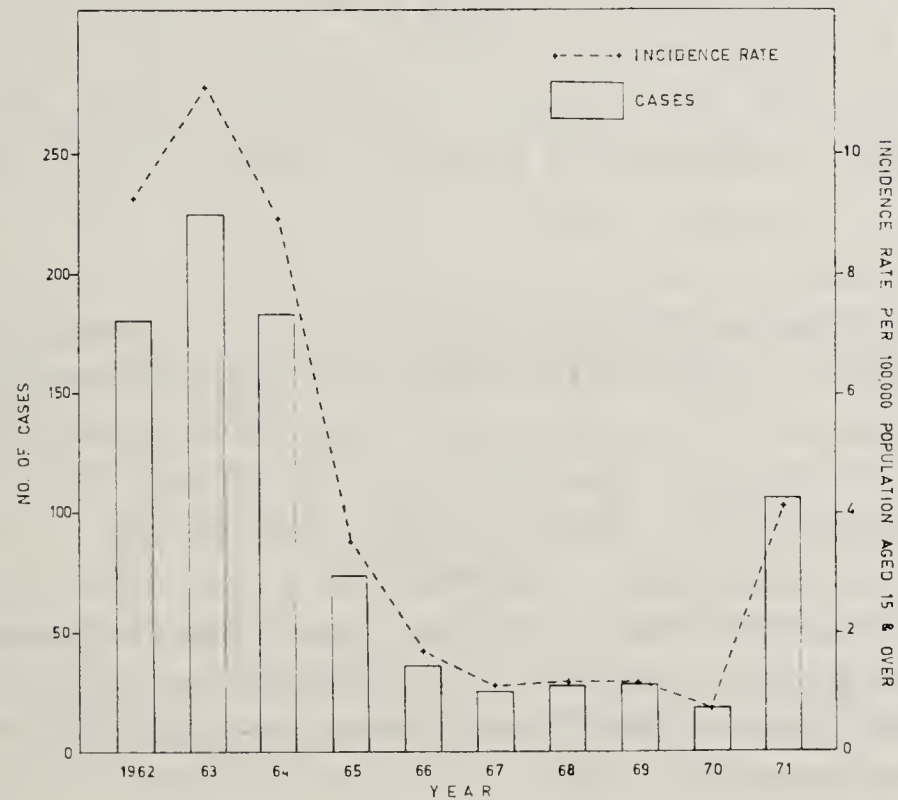
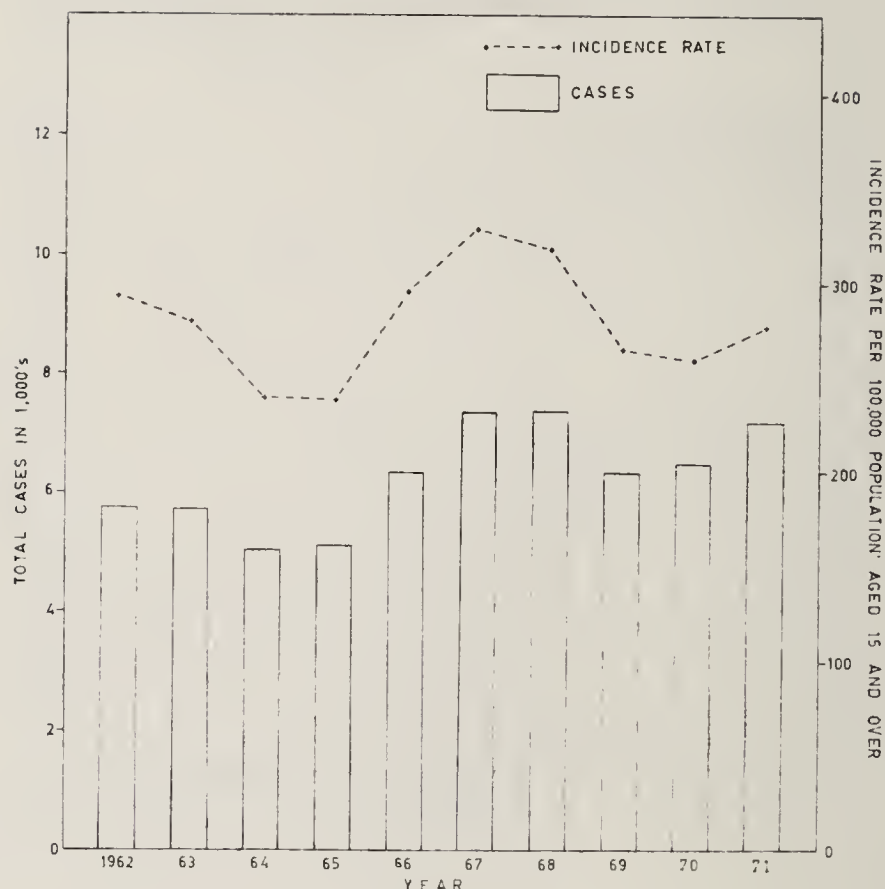


FIGURE 10
GONORRHOEA 1962 - 1971



59. Case finding continued at a high level, particularly in ante-natal cases where an initial positive serology rate of 0.9 per cent was observed. Of the 212 positive cases referred from ante-natal clinics, only 171 patients, that is, 81 per cent, were actually suffering from syphilis. Contact tracing, particularly of infectious syphilis, was continued.

Leprosy

60. During the past 10 years, there has been a continuing reduction in the incidence of this disease, and the number of new cases treated in 1971 numbered 117, representing a rate of 2.9 per 100,000 of the population. Investigation disclosed that 14 patients were immigrants who had developed the disease before their arrival in Hong Kong. Tuberculoid manifestations comprised 38.4 per cent of total cases. There were 85 admissions to the Hay Ling Chau Leprosarium maintained by the Leprosy Mission—Hong Kong Auxiliary. Of these, 47 cases were infectious, and 38 cases were admitted for reconstructive surgery or treatment of ulcers.

61. In recent years, there has been some advance in overcoming the prejudice against employment of cured leprosy patients, and to this end, much attention was paid in 1971 to the prevention of disabilities in tuberculoid cases.

Dermatology

62. The incidence of skin diseases is shown in Table 32. There was a very low incidence of skin cancers in 1971. The total number of new cases was about 5 per cent less than the previous year, but 107 per cent more than ten years ago. The types of skin diseases in 1971 were similar to that of the previous year, the six more common types being eczema, fungal infections, contact dermatitis, lichen simplex, urticaria and warts.

PORT HEALTH
(Table 34)

63. The Port Health Service in 1971 continued to fulfil its routine duties in connection with the prevention of the introduction of quarantinable communicable diseases into Hong Kong, the sanitary control of port and airport areas, the provision of facilities as required by the International Health Regulations, and a regular exchange of epidemiological information with the World Health Organization, and ports and airports in other countries.

64. With the increasing importance of Hong Kong as a tourist and an international transit centre, the work load of the Service has steadily risen in recent years. This has not only been due to the increasing number of ships entering the port, resulting in the necessity of maintaining a full 24-hour daily quarantine service, but also to a vast growth in air traffic at the Hong Kong International Airport. The Service has responsibility for port health work in connection with travelling between Macau, Kwangtung province, and Hong Kong, with particular emphasis on vessels and aircraft from plague-infected areas, and food imported from cholera-infected places.

DISTRICT MIDWIFERY SERVICE
(Table 35)

65. Nearly all births during the year took place in institutions—either hospitals or maternity homes. Delivery in hospitals gradually increased, as all cases were carefully screened and any high-risk cases were referred to specialist units for further management. Only 18.5

per cent of the births were attended by the government district midwives, and midwives in private practice attended another 15.5 per cent, compared with 18 per cent and 19 per cent respectively in 1970. The remainder of the births took place in government, government-subsidized and private hospitals.

66. During the year, there was no change in the number of government district maternity homes. On the other hand, one new private maternity home was registered, while eight old homes were voluntarily suspended, with a reduction of 53 beds. During the past five years, there has been a steady reduction in the still-birth rates in both government and private maternity homes.

MATERNAL AND CHILD HEALTH SERVICES

(Tables 36-37)

67. Public appreciation of the value of these services in the maintenance of health among infants, and expectant or nursing mothers was again reflected by the fact that 89.6 per cent of the children born had been brought to a centre for attention on at least one occasion. The corresponding figure for 1970 was 85.4 per cent. Approximately 1 per cent of the new attendants at the various centres was found to have abnormalities. Of these, the majority had either congenital defects or displayed effects of prematurity. A further encouraging trend was the increasing appreciation by expectant mothers of the need for regular ante-natal care, this reflected by the average attendances per person at ante-natal sessions and by the low maternal mortality rate.

68. In July 1971, developmental screening for sight, hearing and speech was started at all full-time maternal and child health centres. Children attending these centres were seen at six weeks, 8-10 months, 18-20 months, 2½ years, 3½ years and 4½ years respectively. Children found having, or suspected to have, defects were referred to specialist clinics. Those with permanent defects were referred to the special education section of the Education Department. A special register is kept at each centre for children with defects, and follow-up visits were made by health visitors once every three months.

69. In November 1971, the North Kwai Chung Maternal and Child Health Centre was opened. It is a full-time centre. This brings the total number of full-time maternal and child health centres throughout Hong Kong to 19.

SCHOOL HEALTH SERVICE

70. The Medical and Health Department provides an advisory service to the Education Department on matters relating to environmental health and hygiene in schools, and this was continued in 1971. Inspections of schools were carried out by school health inspectors with special regard to lighting, ventilation and sanitary arrangements. Immunization against diphtheria, tetanus and smallpox was carried out in schools during the year by staff under the direction of area health officers. The government chest service maintained responsibility for tuberculin testing and B.C.G. vaccination in schools.

SCHOOL MEDICAL SERVICE BOARD

(Table 38)

71. The School Medical Service is administered by the School Medical Service Board, an independent statutory body incorporated by ordinance and operated by private medical practitioners. Remuneration of the doctors is on a per capita basis, half the annual fee being paid by the participating pupil, and half contributed by the Government, which also meets the Board's administrative expenses.

72. On 31st March, 1972, the number of pupils participating was 37,181 from 661 schools, compared with 43,663 pupils from 704 schools on the same date in the previous year. Doctors participating in the scheme numbered 174 compared with 183 in the previous year.

DENTAL SERVICE

(Table 39)

73. The Dental Service provides dental care for all monthly-paid government officers and their dependants, and government pensioners, and offers a limited specialized treatment for in-patients of government hospitals, prisoners, inmates of training centres, and emergency treatment for members of the general public.

74. Fluoridation of the Colony's urban water supplies began in 1961. The rate of enrichment was formerly at two levels, being 0.7 parts of fluoride per million in summer, and 0.9 parts per million during winter. In May 1967, the concentration was increased to a constant level of 1 part per million throughout the year. This level was maintained in 1971. It represented the result of a decision arrived at after consideration of more recent work on the study of optimum

fluoride levels for community water supplies. The cost of this operation was estimated at about 14.5 cents per person receiving fluoridated water per annum. Dental health education plays an important part in combating dental disease in Hong Kong, and the Dental Service continued to take advantage of major educational exhibitions to distribute information and advice on the maintenance of dental health.

FORENSIC PATHOLOGY

(Table 40)

75. The Forensic Pathology Service consists of a main laboratory in Police Headquarters, Hong Kong, and another laboratory in the Mong Kok Police Station, Kowloon. It deals mainly with medico-legal work in close association with the Royal Hong Kong Police Force. Although the administration of public mortuaries in Victoria and Kowloon is in the hands of the Medical and Health Department Institute of Pathology, homicidal deaths and deaths under suspicious circumstances remained in 1971 in the hands of the forensic pathologists.

GOVERNMENT LABORATORY

(Table 41)

76. The Laboratory provides chemical and related scientific services for government departments. During the year, 37,804 items were examined by the professional and technical staff, an all-time record.

77. In the forensic science division, there was an appreciable increase in the number of questioned documents examined, particularly passports and forged papers. Handwriting examinations featured prominently in the year's work. A series of bomb incidents throughout Hong Kong occupied the attention of the scientific staff of the division for several months. Numerous visits were made to scenes of crime.

78. The quantity of illicit drugs of all kinds examined by the narcotics section was again a record. Seizures recorded included 12,057.086 lbs. of raw opium.

79. Officers of the general division were active throughout the year. The new pharmaceuticals section continued to expand, recording a ten-fold increase in the volume of work done and the output of the food control division doubled. There was also an upsurge in the specialist work carried out for the fire services division, the volume

of which more than doubled. The fire services section assisted in the investigations into the cause of the 'Jumbo' Floating Restaurant fire.

80. Surveys were carried out on the presence of cadmium on pottery, and in the confection commonly known as 'Love-Beads'. The arsenic content of bean curd also came under examination during the year.

MEDICAL AND HEALTH DEPARTMENT, INSTITUTE OF PATHOLOGY
(Tables 42-45)

81. The Medical and Health Department Institute of Pathology operates a number of clinical and public health laboratories providing laboratory investigations in both curative and preventive medicine. It serves mainly government hospitals, clinics and various public health divisions. It also helps to conduct laboratory examinations for the Tung Wah group of hospitals. Work arising from the Queen Mary Hospital on pathology, clinical biochemistry and bacteriology is undertaken by the University of Hong Kong, Department of Pathology which receives a grant from the Government for such services. During the year, the total number of examinations undertaken by the Institute exceeded that of the previous year by 152,741, indicating an increase of about 8 per cent. This was mainly in the fields of histopathology, chemical pathology, clinical pathology, haematology, serology and virology.

Morbid Anatomy and Histopathology

82. A total of 1,239 post-mortem examinations was carried out in 1971, of which 736 had medico-legal implications. The brains of 32 dogs were examined for the presence of Negri bodies (indicating death from rabies) but no positive findings were obtained. More than 4,200 specimens of sputum, pleural fluid, vaginal and cervical smears, and other specimens, were received for cytological examination, of which 77 showed definite evidence of malignant disease. More than 47,000 biopsy specimens were examined in order to determine the histopathological diagnosis. Of these, about 4,000 were benign or malignant tumours.

Haematology and Serology and the Blood Bank

83. More than 400,000 haematology specimens were examined, the most common examinations being haemoglobin estimations, total and differential white cell counts, blood examinations and blood grouping. More than 128,000 serology tests were performed, the most common

being the V.D.R.L. flocculation slide test for syphilis. In the blood banks, 28,469 pints of blood were received during the year, 27,966 pints of which were from the blood-collecting centres of the Hong Kong Red Cross Society. A total of more than 200,000 examinations of blood was carried out in the blood banks.

Chemical Pathology

84. Some 460,000 specimens were examined, the most common being various quantitative examinations on blood, which accounted for more than 350,000 of the examinations.

Bacteriology and Public Health

85. More than 600,000 bacteriological examinations were carried out. Samples of nightsoil, well water, and imported food from endemic areas were routinely examined throughout the year for cholera vibrios, but no positive findings were obtained.

86. Apart from routine bacteriological diagnosis of tuberculosis, the tuberculosis laboratory was involved in anti-tuberculosis drug sensitivity tests in conjunction with the Medical Research Council of the United Kingdom.

Virology

87. The government virus unit carried out diagnostic examinations for virus diseases and special investigations of virus infections prevalent in Hong Kong. During the year, a total of 9,728 specimens was examined, which was 44 per cent more than that in 1970.

88. In 1971, a survey of influenza antibody was carried out among pigs. Haemagglutination-inhibiting antibody to A/Hong Kong/68 virus was found present in 12.5 per cent of locally-bred, and in 8 per cent of imported pigs. In 1969, a similar survey was carried out which showed that haemagglutination-inhibiting antibody was present in 13.8 per cent of locally-bred and 25.7 per cent of imported pigs. The findings in the 1971 survey indicated a notable reduction during the year in the incidence of A/Hong Kong/68 influenza virus infection among imported pigs.

89. Parainfluenza type 1 virus infections were prevalent in March and April, and type 3 in December 1971. Other viruses associated with sporadic respiratory infections, in the order of frequency, were adeno-

virus type 3 and type 2, ECHO type 1, Coxsackie B2 and B4 and cytomegalovirus.

90. Cytomegalovirus was isolated in 30 infants presenting clinical syndromes of jaundice, hepatosplenomegaly, pneumonia or convulsion. A serological study showed 74 per cent of 100 adults aged between 20 and 30, had complement-fixing antibody against the virus. The finding suggested the endemicity of the disease.

91. In connection with the occurrence of Japanese B encephalitis among five horses in the New Territories, a serological survey of 436 horses was subsequently carried out. There was no evidence of extensive virus dissemination. About 9 per cent of the horses showed low titres of haemagglutination-inhibiting antibody against the virus.

INDUSTRIAL HEALTH

(Table 46)

92. The health of workers in factories and other industrial undertakings is the statutory responsibility of the Commissioner of Labour. The Industrial Health Division of the Labour Department, staffed by personnel seconded from the Medical and Health Department, is responsible for advising the Commissioner on all matters affecting the health and welfare of industrial workers. Its principal functions are to prevent occupational diseases and to promote health at work. The inspection of industrial undertakings by medical officers of the division, the monitoring of the working environment by laboratory staff, and the investigation of notified occupational diseases and medical surveillance of special groups of workers, are the principal ways in which these functions are carried out.

93. Environmental surveys include measurement of silica dust in quarries, and of concentrations in the air of lead, manganese, solvents, and sulphur dioxide, and the investigation of standards of thermal comfort, ventilation, noise and lighting.

94. Industrial health officers also act as advisers to commercial undertakings and other government departments on occupational health matters. They examine government divers annually to safeguard their health and safety.

95. A total of 38,306 occupational injuries was recorded by industrial health visitors and nurses of the division during the year. Of

these, 27,192 were accidents causing the injured to be off work for more than three days, and were therefore reportable under the workmen's compensation ordinance. Exactly 379 occupational deaths were recorded, but it was found on investigation that 137 occurred among seamen recruited in Hong Kong, and 54 were due to natural causes.

96. Industrial health officers participated on medical boards to assess the degree of disability of 6,731 injured workers. Health visitors and industrial nurses carried out case work, calling on homes and attending at the casualty departments of major hospitals.

97. Monitoring of air pollutants continued, the number of stations being 33, 13 on the Island, 13 in Kowloon and 7 in the New Territories. The use of the Huey plate for sulphation rate was found to be satisfactory, and completely replaced lead candles. The advisory committee on air pollution continued to meet regularly at intervals of two months.

98. The industrial health laboratory was designated by the World Health Organization as a national laboratory. It took part in an international study on air pollution in conjunction with other national laboratories throughout the world.

HEALTH EDUCATION

99. A better community appreciation of the basic principles of personal and environmental hygiene, and the prevention of disease, continued to be the main health objective. A wide field was covered by many branches of the department, and the co-operation of all voluntary agencies interested in such topics was actively sought.

100. In February 1972, the department participated in the Fisheries Exhibition at Aberdeen by producing displays on various aspects of preventive medicine. In addition, the health education unit in the New Territories organized a number of local health exhibitions in rural towns. Exhibits included displays on personal and environmental hygiene, prevention of diseases, prevention of home accidents, maternal and child health, nutrition, and so on.

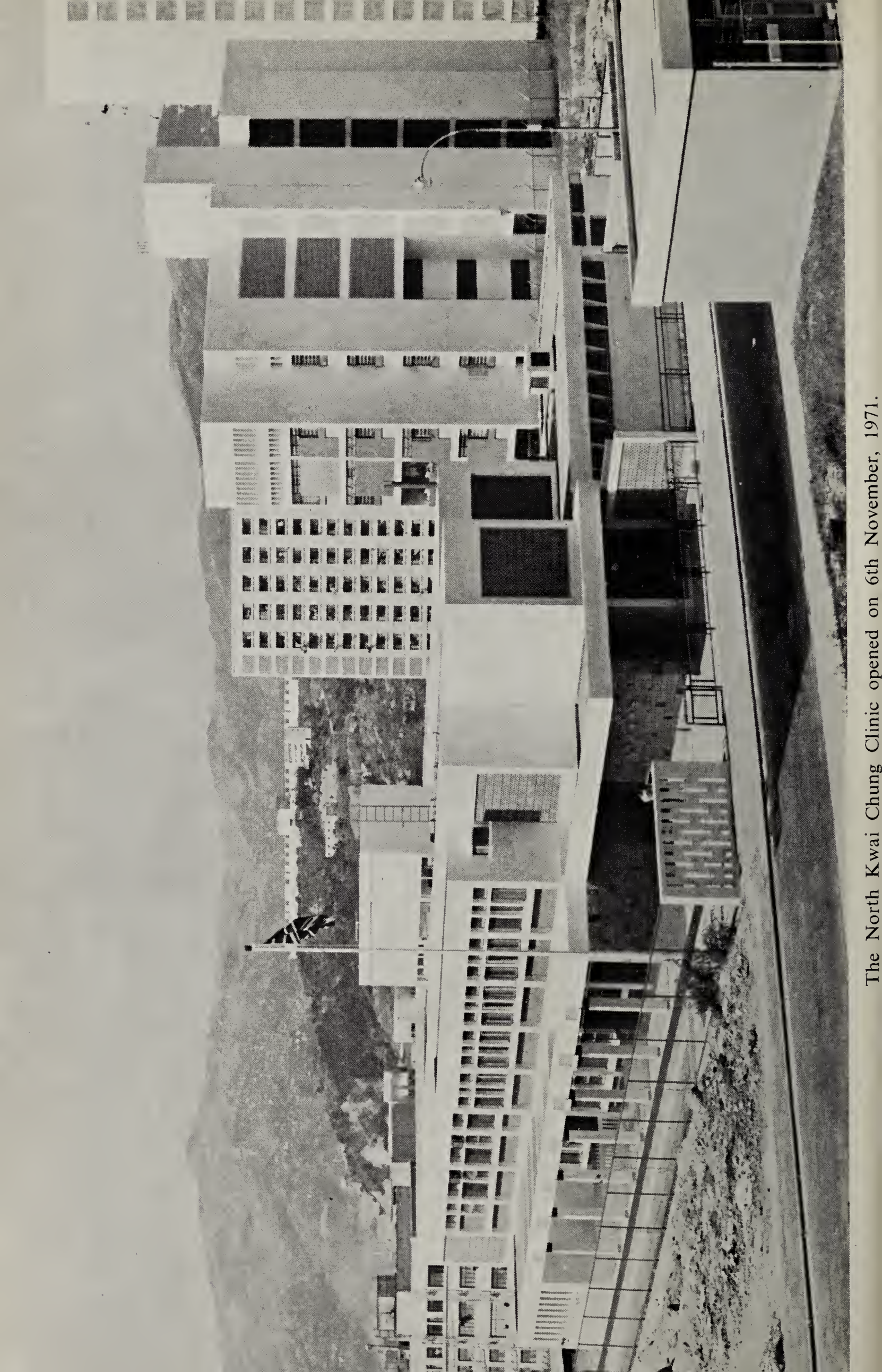
IV. WORK OF THE MEDICAL DIVISION

(Tables 47-72)

101. At the end of 1971, a total of 15,916 beds was available in all hospitals in Hong Kong, excluding those maintained by the armed



H.R.H. The Princess Anne inspecting the model of the New Lai Chi Kok Hospital at the foundation stone laying ceremony on 27th October, 1971.

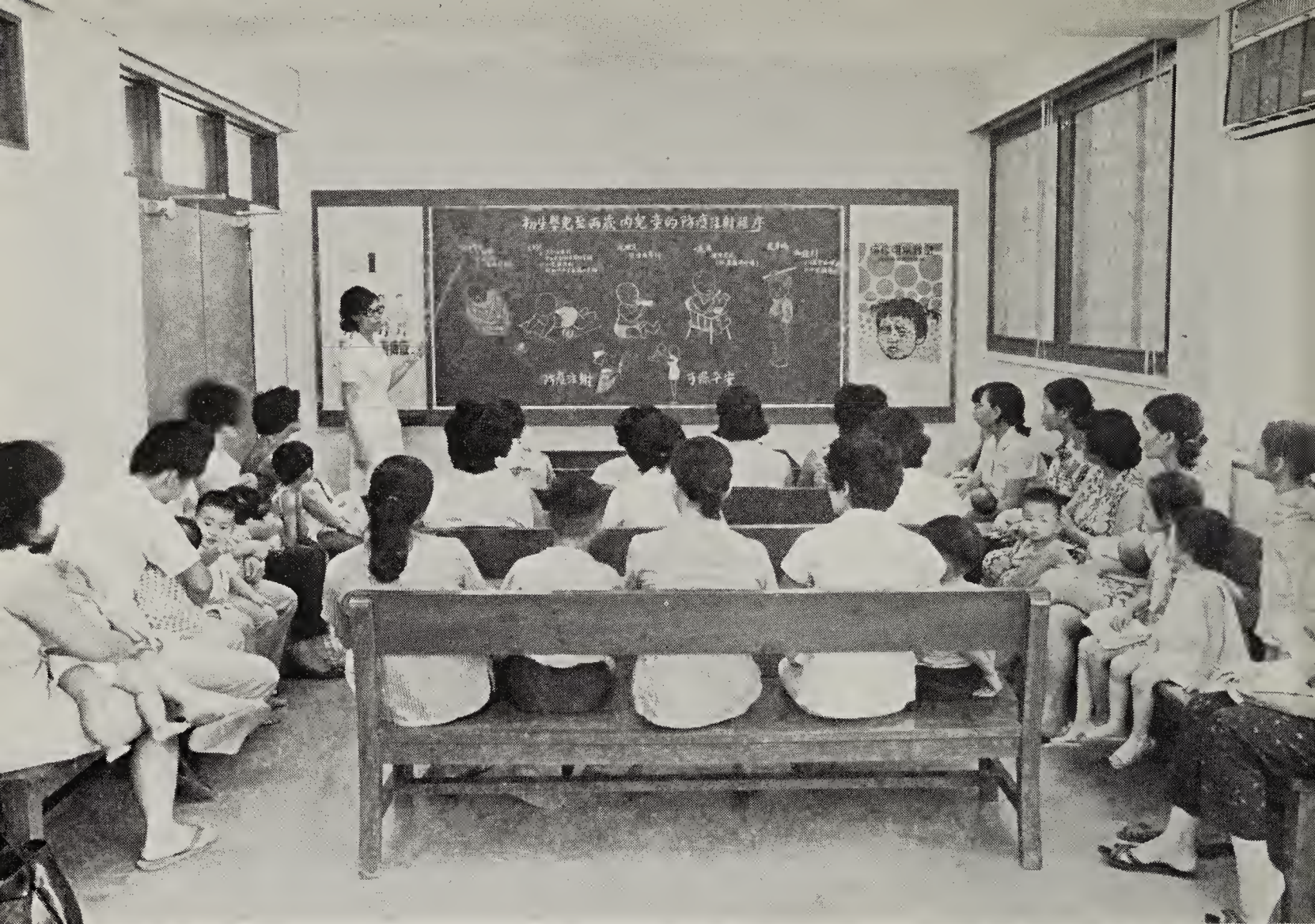


The North Kwai Chung Clinic opened on 6th November, 1971.

A patient being attended by
a nurse at the North Kwai
Chung Clinic.



A baby attending the infant
welfare session at the maternal
and child health centre at
North Kwai Chung Clinic.



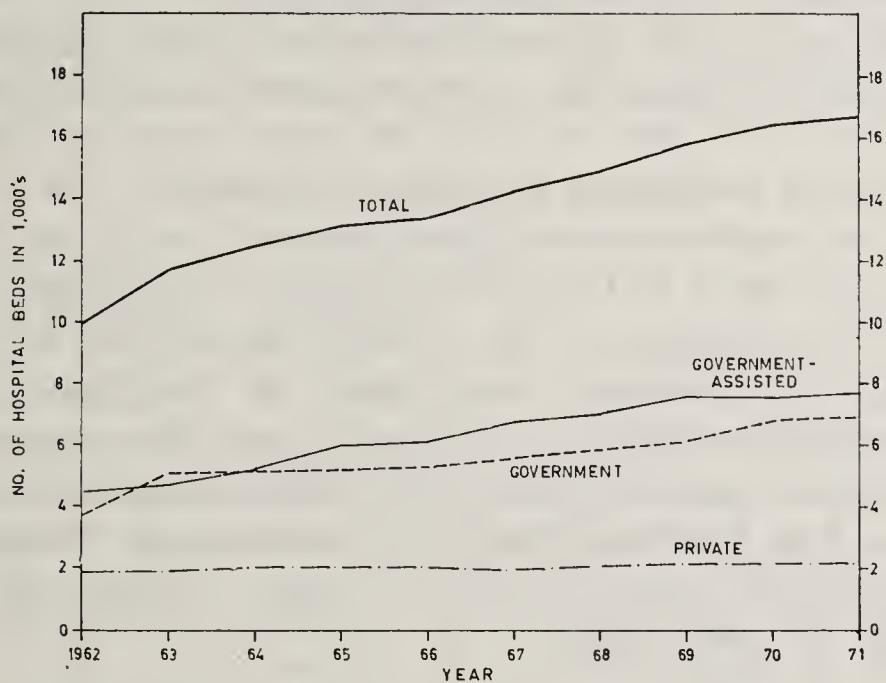
A Health Visitor giving a health talk at the maternal and child health centre at North Kwai Chung Clinic.

A health education stall by the Department's Health Education Unit in the New Territories.



forces. In addition, there were 485 beds in government maternity homes, and 288 beds in private maternity and nursing homes. The total 16,689 beds represented a ratio of 4.1 beds per thousand of the population. The figures are based on the normal bed capacities of hospitals, but in some cases, the actual bed occupancy was much higher, since camp beds and other additional beds were used whenever the need arose. Development over the past 10 years is illustrated in Figure 11, and it will be noted that the bed provision in 1971 represented an increase of 67 per cent over the bed provision in 1962.

FIGURE 11
HOSPITAL BEDS 1962 - 1971



QUEEN MARY HOSPITAL
(Table 51)

102. Built in 1937, the Queen Mary Hospital is the main acute and specialist centre for the Island, and is also the teaching hospital for the Medical Faculty of the University of Hong Kong. Clinical supervision is provided partly by the University's clinical departments, and partly by government specialist units.

103. A new psychiatric unit was commissioned in January 1972. The construction of a new pathology building, consisting of a new mortuary, a virus laboratory and clinical pathology services, and a new clinical building to cater for an increased intake of medical students, were in progress. They are due for completion in the latter part of 1972. During the year, the bed complement of the hospital

increased to 1,164—the result of the addition of a number of cots in the paediatric ward, and some maternity beds.

QUEEN ELIZABETH HOSPITAL

(Tables 52–53)

104. The Queen Elizabeth Hospital serves a population of approximately 2.5 million in Kowloon and the New Territories as a medical centre for emergency and specialist care.

105. During its eighth year of operation, attendances at the casualty department rose by 12.1 per cent compared with the previous year. Of these attendances, 29.5 per cent were due to trauma, the main causes being, in the order of frequency, industrial, domestic, traffic and assault cases. A total of 39.9 per cent of all cases seen in the casualty department required immediate admission to hospital, and 1.6 per cent were referred for admissions to other hospitals such as the Kwong Wah Hospital and the Lai Chi Kok Hospital. (Paragraph 177 below gives details of the operation of the casualty department of the Kwong Wah Hospital). The average time spent in the Queen Elizabeth Hospital by each in-patient was 6.5 days. Once the acute period of the illness was over, patients were either discharged, or transferred to Kowloon or Lai Chi Kok hospitals for convalescence. The pressure of admission necessitated increasing beds to 1,893, although the hospital's normal capacity is 1,596 beds.

KOWLOON HOSPITAL

106. This hospital serves partly as a subsidiary centre for the Queen Elizabeth Hospital, and partly as a centre for chest diseases requiring both medical and surgical treatment. It has an acute psychiatric ward, and a paraplegic unit.

107. With the completion of the west wing in October 1970, the total bed complement of the hospital increased from 500 to 1,042, including an acute psychiatric unit of 67 beds, a paraplegic unit of 50 beds, 192 beds for thoracic diseases, and 733 convalescent beds for the Queen Elizabeth Hospital. Towards the end of the year, the west wing was almost fully operational, while some wards in the old section underwent renovation.

TSAN YUK HOSPITAL

(Table 55)

108. The Tsan Yuk, under the clinical supervision of the Professor of Obstetrics and Gynaecology of the University of Hong Kong, is the main specialist obstetric hospital in Hong Kong. It has 300 beds, including 50 beds for the care of premature and sick babies. It is the teaching centre in obstetrics for medical undergraduates and the training school for midwives.

109. About 90 per cent of admissions during 1971 were booked cases. These were mainly primigravidae, grand multiparae and cases with previous or present complications that required specialist care. The emergency admissions were referred mostly from government maternity homes. There were 5,985 deliveries with no maternal death.

MENTAL HEALTH SERVICE

(Tables 56–58)

Castle Peak Hospital (Table 56)

110. This hospital of 1,242 beds was required to accommodate 1,916 patients at the end of the year—1,798 actually living in, and 118 on trial discharge. It is the only hospital in Hong Kong for the full-time care of all types of psychiatric patients.

111. The hospital continued its development during the year, in accordance with contemporary psychiatric practice, into a modern therapeutic community. Except for one closed ward for patients involved in court proceedings, the rest of the wards are in various degrees 'open', having also free access to their own gardens. Six wards are entirely open, the patients housed being convalescent and receiving attention in preparation for discharge. Some patients travel daily to Tsuen Wan, Sham Tseng, and San Hui to work in factories. Others go to the adjacent New Life Rehabilitation Farm each week, for a short period of rehabilitation prior to final discharge, and many are given permission to move freely within the hospital.

112. All modern treatments in psychiatry are administered. Reliance is placed on drug treatment and social measures, with emphasis on inter-disciplinary, participatory-democratic teamwork, co-ordinating the functions and resources of social worker, nurse, occupational therapist, doctor and others in therapy. There was an increasing tendency

to treat patients in psychiatric out-patients' centres and day hospitals rather than to admit them to Castle Peak.

113. Continued efforts were made to rehabilitate the long-stay and severely mentally disabled patients, the aim being to discharge them when they were fit to earn their living. Two wards were especially set up for this purpose. The usual therapeutic measures, including occupational therapy, group therapy and re-education, were intensively used, but emphasis was placed on training in activities having a direct bearing on their work after leaving hospital. By these means, a number of patients were able to find employment while still in hospital. They were later discharged for full-time employment.

114. A variety of social and recreational activities was organized for the patients, who also had their own social club. Every ward has a television set.

115. Planning was underway for a new mental hospital at Lai Chi Kok, and the target date of completion was set for 1976/77.

Psychiatric Centres

116. The Yau Ma Tei Psychiatric Centre provides treatment for both out-and day-patients, including follow-up cases from Castle Peak Hospital. Its facilities include a child psychiatric unit. The day hospital was found most useful for the treatment of psychoneurotics and disturbed adolescents and children. On the Island, the Hong Kong Psychiatric Centre continued to see out-and day-patients, follow-up cases from Castle Peak Hospital, and forensic cases. In addition to these centres, psychiatric services were provided for the psychiatric observation unit in the Victoria Reception Centre and for the Tai Lam Centre for Women.

Kowloon Hospital Psychiatric Unit

117. The unit, located in the West Wing of Kowloon Hospital, was opened in July 1971. It aims to provide comprehensive psychiatric services in a general hospital setting. Because of shortage of staff, only the outpatients' section, the day hospital and half the in-patients' section, were operational. All types of patients, except those with strong suicidal and aggressive tendencies, were admitted. During their stay, they were subjected to an intensive treatment programme. Average length of stay was two weeks.

Voluntary Mental Health Organizations

118. The New Life Psychiatric Rehabilitation Association, with the close co-operation of the mental health service, operates the New Life Rehabilitation Farm adjacent to Castle Peak Hospital for the benefit of patients requiring a period of orientation before returning to full social and economic activity in the community. The Association also owns two half-way homes and a sheltered workshop catering to selected discharged patients from Castle Peak Hospital. The Mental Health Association continued to serve a useful function in bridging the gap between the service and the community in 1971. The Irene House, a half-way hostel run by the Association for short-stay discharged patients from Castle Peak Hospital, was recently enlarged to accommodate 32 patients at a time. The Association successfully organized the 24th annual meeting of the World Federation for Mental Health in Hong Kong in November 1971.

Drug Addiction

119. The department maintained close liaison during the year with the Action Committee Against Narcotics (ACAN), other voluntary agencies and government departments connected with this work. Representatives from this department served as members on various sub-committees of the Action Committee Against Narcotics and participated in activities, particularly in relation to the treatment and rehabilitation of drug addicts, and research and health education in the dangers of drug addiction.

120. A notable achievement of the Action Committee Against Narcotics during the year was the setting up of a central registry for drug addicts in the narcotics division of the Secretariat for Home Affairs. The aims of this registry were described as; to obtain information on the average success rate for institutionalized treatment, to estimate the total number of drug addicts in Hong Kong, and to compare the success rate of organized treatment with that of other forms. Government departments and voluntary agencies concerned, private practitioners, hospitals, and so on, which might have contact with drug addicts, were requested to forward the information confidentially.

INFECTIOUS DISEASES HOSPITALS

121. There are two hospitals which admit patients suffering from infectious diseases—the Sai Ying Pun Hospital on Hong Kong Island,

and the Lai Chi Kok Hospital in Kowloon. The latter also provides some accommodation for convalescent cases from the Queen Mary and Queen Elizabeth hospitals.

122. During 1971, none of the common infectious diseases showed any serious variation, but the overall trend was towards a reduction, both in incidence and mortality. None of the major quarantinable diseases were encountered. There was a definite clinical impression that patients were coming for treatment earlier, and the moribund child admitted in the terminal stage of illness, though not entirely a memory of the past, was seldom seen.

TANG SHIU KIN HOSPITAL

(Table 54)

123. The Tang Shiu Kin, built with a substantial donation from Sir Shiu-kin TANG, C.B.E., LL.D., J.P., is situated at Morrison Hill, Hong Kong. Opened in 1969, it replaced the former Eastern Public Dispensary and Maternity home, the Harcourt Health Centre, and the Wan Chai Social Hygiene Female Clinic.

124. The hospital is equipped with a casualty department and casualty wards for 40 patients. It has a general out-patient department, a maternal and child health centre, a 36-bed maternity ward, a social hygiene clinic, a skin clinic and an obstetrical and gynaecological clinic.

125. The hospital also houses the head office of the maternal and child health services and a training school for health visitors and health auxiliaries. Quarters are available for medical and nursing staff. Since its opening, the hospital has played a useful role in providing casualty and emergency services for the eastern part of the Island.

OTHER GOVERNMENT HOSPITALS

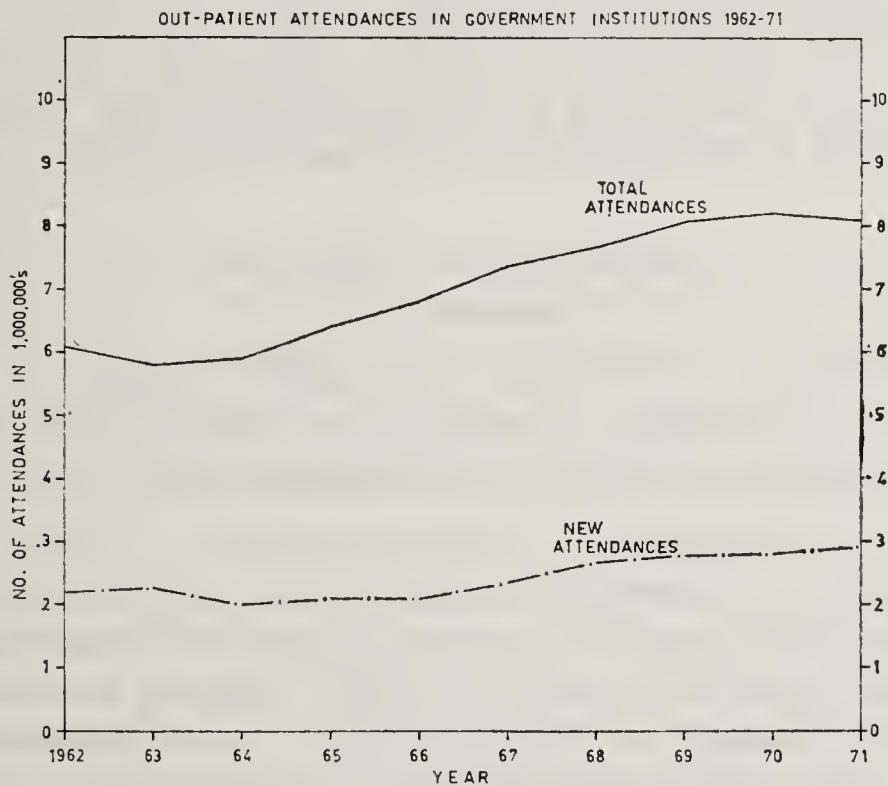
126. Other hospitals maintained by the Government are the St. John Hospital, serving the Island of Cheung Chau and neighbouring islands of the western seaboard; the South Lantau Hospital, serving villages on the south-west coast of Lantau Island; and six hospitals within compounds at Stanley Prison, Victoria Prison, the Tai Lam Centre for Women, the Tai Lam addiction Treatment Centre, the Ma Po Ping Addiction Treatment Centre and Chi Ma Wan Prison.

OUT-PATIENT SERVICES

(Tables 59-61)

127. Pressure remained heavy throughout the year on all 44 general out-patient clinics and also on most specialist clinics. Trends during the past 10 years are shown in Figure 12.

FIGURE 12
OUT-PATIENT ATTENDANCES IN GOVERNMENT INSTITUTIONS 1962 - 1971



128. New facilities which became available during the year are detailed in paragraph 203 of this report.

129. In addition to general out-patient service, regular out-patient sessions were maintained at a number of clinics by staff of specialized units. Evening out-patient sessions continued to be held at 10 clinics in the more densely populated areas. They are the Aberdeen Jockey Club Clinic, the Kowloon Hospital out-patient department, the Kwun Tong Jockey Club Clinic, the Lady Trench Polyclinic, the Li Po Chun Health Centre, the Robert Black Health Centre, the Sai Ying Pun Jockey Club Polyclinic, the Shau Kei Wan Jockey Club Polyclinic, the Violet Peel Polyclinic and the Yau Ma Tei Jockey Club Polyclinic. Sunday and public holiday clinics were also held at six of the clinics. The more remote areas of the New Territories continued to be served by two mobile dispensaries and the 'floating clinics', while the 'flying doctor' service to more isolated and inaccessible villages was maintained.

SPECIALIST SERVICES

130. There are government specialist clinical units in medicine, surgery, obstetrics and gynaecology, anaesthesiology, dentistry, neurosurgery, ophthalmology, orthopaedic surgery, otorhinolaryngology, pathology, paediatrics, psychiatry, radiodiagnosis, radiotherapy, social hygiene, thoracic surgery and tuberculosis. In addition, professors of the University of Hong Kong's Faculty of Medicine act as consultants in medicine, surgery, obstetrics and gynaecology, orthopaedics, pathology and paediatrics. A number of government specialists act as honorary consultants to the Tung Wah group of hospitals and others serve as part-time lecturers in the University's clinical departments.

RADIOLOGICAL SERVICES

(Tables 62-63)

131. The Medical and Health Department Institute of Radiology consists of a Radiodiagnostic, Radiotherapy, Radiation Physics, Radioisotope, Radiobiology and Clinical Photography divisions.

132. The Radiodiagnostic Division provides an X-ray diagnostic service, mainly for government institutions, but a free consultant service is available to the Tung Wah group of hospitals and the Pok Oi Hospital in the New Territories. Consultant services are also available to medical practitioners in private practice on a payment basis. An additional mobile radiography unit was commissioned in April 1971, and is engaged primarily in serving New Territories chest clinics without static x-ray facilities. This addition brought the total number of mobile units to three.

133. The Radiotherapy Division based at the Queen Elizabeth and the Queen Mary Hospital treats more than 90 per cent of all patients requiring radiotherapy in the whole Colony, and also some patients referred to the Institute from overseas. It also operates a Centralized Cancer Registry.

134. The Radioisotope service is included in the radiotherapy division. Because of its modest outlay, it serves mainly government institutions, but a consultant service is also available to the Tung Wah group of hospitals, and medical practitioners in private practice, on a limited scale.

135. The Radiation Physics Division is responsible for the operation of the radiological workshop, which provides a maintenance service for

government radiological equipment, and also a film-badge radiation monitoring service for the whole of Hong Kong. During 1971, the latter service covered 29 government institutions with 322 radiation workers, 133 private practitioners' X-ray laboratories with 381 workers, and industrial firms with 49 workers. Under the direction of the Radiation Board, the radiation physics division carried out a programme of visits to premises where irradiating apparatus, or radio-active substances, were used, to give advice on radiation protection and ensure that adequate arrangements were made for the protection of radiation workers and the public in the proximity of such premises. These duties were in addition to its main function of assisting the first two divisions in their routine work.

136. The Radiobiology Division is responsible for investigating radiobiological and cancer problems to help the Radiotherapy Division in its work, and also assisting it in the training of radiotherapists.

137. The Institute also undertakes the training of medical undergraduates of the University of Hong Kong in clinical radiology and radiological anatomy.

138. In the field of research, the radiotherapy and radiobiology divisions continued their collaboration with the International Agency for Research on Cancer in the investigation on the possible role of a virus in the causation of nasopharyngeal carcinoma, the commonest cancer in the Hong Kong male population. In addition, these two divisions carried out other investigations on the epidemiology of the cancer. The radiotherapy division also collaborated during the year with the department of epidemiology of Harvard University in a study of the urinary oestrogenic profiles of selected North American and Asian populations to test a hypothesis that the nature of the oestrogens produced by a young woman could be a determinant of her breast-cancer risk in later life.

139. Oriental women have been reported to have a definitely lower risk than their occidental counterparts. A preliminary report of this study was published in *The Lancet*, 23rd October, 1971 issue, pp. 900-902. The findings are compatible with the hypothesis. It is still too early to imply from these findings that the difference in oestrogen profile between Asian and North American women is responsible for their different breast-cancer rates, but they suggest that the oestrogen profiles warrant further studies. In collaboration with the World Health Organization regional office in Manila, a number of radiation measure-

ments were made to relate the techniques employed, and values obtained, for Cobalt-60 teletherapy units throughout Asia. At the end of the year, the findings were still being correlated in the World Health Organization in Geneva. The cost of these three research projects was supported respectively by grants from the International Agency for Research on Cancer, the Hong Kong Anti-Cancer Society, and jointly by the American Cancer Society and the World Health Organization.

OPHTHALMOLOGY

(Tables 64-65)

140. This service maintains three full-time centres with surgical facilities, and in addition, holds regular sessions at 15 out-patients clinics in urban and rural areas. Ophthalmic surgery is performed in the two government hospitals with a total of 40 beds for ophthalmic cases as well as in the out-patient clinics. Emergency ophthalmic service is also provided to the three casualty departments at the Queen Mary, Queen Elizabeth, and Kwong Wah hospitals.

141. During the year, the number of persons first registered as blind was 228, including 11 aged under 15. Trends of previous years in the causation of blindness continued, with increasing frequency of the eye diseases of advancing age, and a reduction in those caused by deficiency states and trauma. Senile cataract and glaucoma replaced keratomalacia as the predominant causes. Among children, the main cause of blindness was congenital defect, while blindness due to keratomalacia became comparatively rare.

PHARMACEUTICAL SERVICE

(Table 66)

142. This service is concerned with the enforcement of the Ordinance dealing with Dangerous Drugs, Pharmacy and Poisons, and Antibiotics, as well as the control, manufacture and supply of drugs, and the supply of dressings, medical and surgical instruments and sundries to hospitals, clinics, health centres and other units of the Department. Two main depots, one on the Island and one in Kowloon, manufactured and distributed some 250 different types of pharmaceutical products to these institutions in 1971. In the two largest hospitals, sterile preparation units supplied all the hospital departments with their requirements of all intravenous fluids, and an extensive range of injections. During the year, alteration work was begun in the manufacturing depot on the Island

to provide larger and improved accommodation for the manufacture and control of drugs.

143. Following an increase in the number of Pharmacists in the Pharmacy Inspectorate Section, a larger number of prosecutions were taken out—132 in 1971 as compared with 63 in 1970—under the ordinances governing the conduct of pharmacies and the sale of dangerous drugs, poisons and antibiotics in the commercial sector.

MEDICAL SOCIAL WORK

144. The expansion of the medical services and the increasing emphasis on rehabilitation in its various aspects continued to make heavy demands on the services of Medical Social Workers. The medical social service of the Hong Kong Division, with its head office at Queen Mary Hospital, continued to deal with an increasing number of patients treated there. The allocation of 78 beds at Grantham Hospital as convalescent beds for chest and heart cases from Queen Mary Hospital resulted in an extension of the service to patients transferred to the Grantham. Medical Social Workers of the Hong Kong division also undertook medical social work in the Tsan Yuk Hospital, the Sai Ying Pun Infectious Disease Hospital, the Tang Shiu Kin Hospital, the Duchess of Kent Children's Orthopaedic Hospital, the Tung Wah Sandy Bay Convalescent Hospital, the David Trench Rehabilitation Centre, the Wan Chai Physiotherapy Centre, the Sai Ying Pun Jockey Club Polyclinic and the Violet Peel Polyclinic.

145. The medical social service of the Kowloon division, with its head office at Queen Elizabeth Hospital, covers medical social work in government hospitals and other medical institutions in Kowloon. Close liaison was maintained during the year with other Government departments, and voluntary agencies, in regard to the various aspects of rehabilitation, such as job placement, vocational training, and housing and education of the physically handicapped. The continuing co-operation and assistance given by them greatly helped the patients.

146. Medical Social Workers in the Chest and Special Skin Division continued to see patients in a referral and selection system, in addition to automatic interviews of all patients on admission arising from the social aspects of these diseases. Medical social workers of this division worked full-time at all main chest clinics and special skin clinics, and part-time at other sub-clinics, including New Territories clinics and the

Aberdeen Jockey Club Clinic. In addition to services rendered to out-patients, this division also provided medical social services to tuberculosis patients treated at such hospitals as the Kowloon, the Grantham, the Ruttonjee Sanatorium, the Wong Tai Sin Infirmary, the Haven of Hope Sanatorium and other medical institutions. In the special skin service, medical social workers maintained close liaison with the Hay Ling Chau Leprosarium. There were fewer difficulties in 1971 with such rehabilitation problems as the housing of leprosy patients, the employment of cured persons, and their re-integration into the community.

147. In the mental health service, medical social work widened further in scope with the establishment of a medical social service in the newly-started psychiatric unit in Kowloon Hospital, with its complement of out-patient psychiatric clinic and an additional day hospital—the third in Hong Kong. Towards the end of the year, the Out-Patient Psychiatric Clinic of the Hong Kong University department of Psychiatry came into operation at the Hong Kong Psychiatric centre of the David Trench Rehabilitation Centre. This led to the start of the second psychiatric unit in a general hospital, the Queen Mary. The demand for psychiatric social work further increased, apart from the need to cope with an increased number of admissions and out-patient attendances in existing services.

148. As a result of the rapid expansion in the medical and health services, there was a larger intake of new recruits in the medical social service, and the in-service training and orientation programme was carried out on a larger scale than before with the appointment of a training officer. Interdisciplinary departmental training, much appreciated because of its teamwork implications, continued to be maintained. Requests also came from other hospitals' nursing schools such as the Tung Wah group of hospitals, from hospital administrators, welfare organizations, the Social Welfare Department's training section, and so on, for medical social workers' contributions towards their staff development programmes. Practical work placements in the department's hospitals, mainly the Queen Elizabeth, the Queen Mary, and the Kowloon hospitals, continued to be made available to the B. Soc. Sc. undergraduates of the two universities, and graduates undertaking the diploma of social studies course of the University of Hong Kong. In both respects, experienced and qualified medical social workers were designated as supervisors in the field training of social work students.

PHYSIOTHERAPY

(Table 67)

149. The physiotherapy units of government hospitals and clinics continued to report increasing numbers of patients and treatments carried out. The greatest number of patients in all units continued to be referred by the orthopaedic units, reflecting a continuing increase in the number of people in the community injured in industry, on the roads, and elsewhere. A great deal of time was spent in the treatment of surgical cases, including the intensive care unit at the Queen Mary, neurosurgical cases, at the Queen Elizabeth, and thoracic cases, at Kowloon Hospital, because they often required care urgently. Cases referred by paediatric and medical units, while not requiring care so urgently, also called for close attention and more continued care.

150. The opening of the West Wing of Kowloon Hospital necessitated the reorganization of this unit in an attempt to give convalescent patients, especially spinal cases, as full a programme as possible between treatment in the wards and the Rehabilitation centre. These long-stay patients needed much encouragement, and the sports activities arranged for them proved to be one of the best ways of increasing their strength and independence. Many of them became proficient at various wheelchair sports—including basketball, table-tennis, archery, javelin and discus.

151. The David Trench Rehabilitation Centre reached one full year of operation in 1971. While it obviously provides a necessary service for patients living in the western end of the island, it has not reached its capacity yet, and has not taken much pressure off Wan Chai Polyclinic.

152. The physiotherapy training school had a busy year. During the summer, two open days attracted a large number of visitors who were able to view the various projects students had prepared, and to see some practical demonstrations of their work. 44 students were under training at the end of the year. The number included 11 who were receiving training for work in non-government institutions.

OCCUPATIONAL THERAPY

(Table 68)

153. During the year, the occupational therapy unit became fully established with the appointment of two expatriate officers in August and September, followed a few months later by the return of two more scholarship graduates from the Melbourne and Sydney schools of occupational therapy.

154. On 16th August, the psychiatric occupational therapy unit was opened in the New Kowloon Hospital west wing ward block, followed on October 26 by the opening of the new physical unit in the David Trench Rehabilitation Centre.

155. There was an increased demand for occupational therapy service at the Kowloon Rehabilitation Centre following the opening of the new Kowloon Hospital West Wing and a more regular attendance of cerebral palsy children. Otherwise, treatment in 1971 followed the same pattern as in previous years, with the same aim in view—to assist patients to return to their previous employment, or to an alternative form of livelihood.

156. The occupational therapy units in the Queen Mary and Queen Elizabeth hospitals continued with the treatment of in-patients. In the Queen Elizabeth, the attendance of out-patients, particularly cerebral palsy children, reached an all-time high. The Lai Chi Kok Hospital occupational therapy unit was re-opened on 13th April, 1971, and continued as a fully functional treatment unit throughout the year. The Wan Chai Polyclinic also continued to function to the maximum, in spite of its physical limitation and location, which together prevented further expansion of the service offered.

157. The Medical and Health Department continued to provide a diverse programme of progressive treatment in the Castle Peak Hospital covering work, recreation and group-social activities. The Hong Kong Psychiatric Centre and the Yau Ma Tei Mental Health Centre continued to provide a treatment programme for an attendance of out-patients, including selected patients from the Castle Peak Hospital, for whom a short follow-up period was necessary, and those receiving other forms of therapy referred for observation prior to assessment for future employment.

PROSTHETIC-ORTHOTIC SERVICE

(Table 69)

158. The prosthetic-orthotic service provides modern artificial limbs and orthopaedic appliances for members of the public and for in-patients of government hospitals. The demand for prosthetic-orthotic service continued to rise as a result of increased industrial and traffic accidents. Though the number of new poliomyelitis patients requiring orthopaedic appliances decreased, the old poliomyelitis patients were growing up

during the year, and so the demand for medium and large sizes of long leg-braces with knee-hinges increased.

159. To ensure that artificial limbs available in Hong Kong were the best possible, and that the method of fabrication and limb fitting kept abreast of developments, one prosthetist was sent abroad in July 1971 to take a post-graduate prosthetic course and to make an up-to-date general survey of prosthetics and orthotics in England, Denmark, and West Germany, and to work in some of the famous research and development centres in those countries.

160. Work study in the production of artificial limbs continued. The main research and development undertaken during the year was: (1) modification to above-elbow prosthesis, (2) improved fabrication of the forearm section for all upper-extremity prosthesis, and (3) a new design of the SACH foot for all lower extremity prosthesis.

161. In-service training in prosthetics and orthotics continued for government student prosthetists. During the year, four student prosthetists successfully completed a training course of three years in prosthetics-orthotics, passing the prescribed examinations. Their ultimate qualification was recognized by the appropriate professional body in the United Kingdom.

MEDICAL EXAMINATION BOARD

(Tables 70-71)

162. This section carries out medical examinations of new entrants to the civil service and certain units of the Essential Services Corps. The number of persons classified as unfit, on account of tuberculosis, decreased considerably in 1971 when compared with the previous year. Tuberculosis remained the primary reason for non-acceptance of applicants on medical grounds, being responsible for seven out of the 10 classifications as 'unfit' in each 1,000 examinations. In May 1971, the Medical Examination Board was removed to new premises in the Canton Road government offices.

HOSPITAL MAINTENANCE AND SUPPLY

163. The development of services provided in medical institutions operated by the Medical and Health Department makes the administration and supply of the hospital service increasingly complex, and there was little doubt during the year that this trend would persist.

164. The Central Laundry Organization continued to be kept under review, particularly with reference to its future requirements, and its relationship with other essential service departments. Work on the new Shau Ki Wan laundry proceeded. It was hoped that this unit would be in operation by October 1972, and that it would ease the load on the existing services at the Queen Elizabeth Hospital. Approval was obtained for a third laundry in Kowloon, and planning would start soon.

165. The reorganization of the Medical and Health Department Staff society was completed and this, combined with the appointment of a Staff Welfare Officer, helped to promote harmonious staff relations during 1971.

166. Work on the planning and equipping of the new Lai Chi Kok Hospital was well underway in 1971. The design and types of standard and special items of hospital equipment were reviewed, and where necessary modified, in order to ensure that the most modern equipment would be obtained for the new hospital.

167. A degree of assistance was rendered to various subsidized hospitals, particularly medical equipment, and detailed requirements when planning new projects.

AUXILIARY MEDICAL SERVICE

168. This branch of the Essential Services Corps has a strength of more than 5,700 men and women—2,000 of whom are under 25—trained to augment Hong Kong's medical services during an emergency. Approximately half the strength was used in 1971 to make up the ambulance depot teams, dispersed throughout the Island, Kowloon and New Territories, and affiliated to the nearest ambulance service of the fire stations. These ambulance depot teams are trained to reinforce the regular ambulance service, and to provide mobile first-aid parties and light rescue teams, especially in the New Territories and outlying islands.

169. Members of the service assigned to emergency duties in medical establishments carry out training annually in one of the major hospitals. Members assigned to reinforce the ambulance service perform duties at weekends and on public holidays. There were more than 450 members, men and women, trained as life-savers, who reinforced regular life guards on beaches at weekends and on public holidays during the year.

170. Members attended at scenes of all major fires in 1971 to care for the injured and the homeless. Members were on duty during three

typhoon alerts during 1971, and helped to rescue persons from flooded areas in the New Territories.

171. The band of the AMS performed on many occasions in public parks, at medical functions, and gave concerts at hospitals at Christmas.

REGISTRATION OF MEDICAL CLINICS
(Table 72)

172. In accordance with the Medical Clinics Ordinance, all clinics were required to be re-registered annually. On 31st March, 1972, there were 75 registered static clinics, and three registered mobile clinics in the charge of registered medical practitioners, and 349 clinics registered with exemption, making a total of 427.

173. The low cost medical care scheme, under which static clinics are set up in resettlement and housing estates, continued to operate throughout the year, the aim being to provide one doctor for every 6,000 residents, with priority given to registered medical practitioners. At the end of 1971, there were 74 clinics in resettlement estates, and 18 in housing estates operates by registered doctors. In addition, there were 34 clinics in resettlement estates, and two clinics in housing estates, registered with exemption.

V. GOVERNMENT-ASSISTED HOSPITALS
(Tables 73–76)

174. Financial assistance, mainly by means of an annual subvention, is given by the Government to certain voluntary organizations maintaining hospitals in Hong Kong. Such hospitals, containing a total of 7,664 beds, provide mainly sub-acute general beds, or facilities for persons suffering from certain specific diseases, or handicaps. The total government subvention to these hospitals during the year was \$78,942,866 recurrent, and \$3,103,195 special expenditure.

THE TUNG WAH GROUP OF HOSPITALS

175. The Tung Wah group of hospitals is a long-established Chinese charitable organization, managed by a board of directors elected annually. During recent years, a programme of modernization and expansion has been undertaken, with assistance from the Government, in staff—especially medical officers and consultant services—money, and material. The subvention for this was \$41,864,776.

176. Construction of the 12-storey Centenary Block in the Tung Wah Hospital was begun in July 1970, and the first stage was due to be completed at the end of May 1972. The building will have 424 beds, with a new casualty department, X-ray facilities, new operating theatres, and single quarters for 20 medical officers.

177. The casualty department at the Kwong Wah Hospital handles cases of accident occurring between Waterloo and Lai Chi Kok roads. Many patients were referred to it by government clinics in Kowloon and the New Territories. As a result, this casualty department dealt with cases not only from the northern part of Kowloon peninsula, but also from other areas. A police post was established to deal with medico-legal cases, and an industrial nurse from the Labour Department attended during the year to advise in cases of industrial accidents. An officer from the Fire Services Department was also posted to the casualty department to handle ambulance services.

178. In the Wong Tai Sin Infirmary, there are altogether 681 beds, 185 allocated to the government tuberculosis service. Patients for long-term treatment are transferred to the Infirmary from the Queen Elizabeth or the Kwong Wah hospitals. There are also 503 beds in the Tung Wah Sandy Bay Convalescent Hospital for the treatment of chronic patients. But the provision of a total 1,184 beds for long-term patients under the management of the Tung Wah group of hospitals was still not sufficient, according to the year's experience, to meet the demand for more chronic beds in Hong Kong.

179. Towards the end of 1971, the Tung Wah Eastern Hospital began a programme of alteration to convert the present hospital for acute and sub-acute cases. The work is expected to be completed in September 1972. After renovation, there will be two major operating theatres, and one minor theatre, and two air-conditioned X-ray rooms. The laboratory will be expanded, and the kitchen enlarged. The number of beds will be reduced from 338 to 330. The hospital will receive straight-forward emergency cases from its own out-patient department and receiving room, and also from the casualty department of the Tang Shiu Kin Hospital.

THE ALICE HO MIU LING NETHERSOLE HOSPITAL

180. This hospital, supported by the London Missionary Society, received a government subvention of \$5,484,613 during the year. The

hospital has been considerably modernized in recent years, and its facilities greatly improved.

181. In 1971, there was an increase in the number of surgical operations and laboratory examinations. Pathological facilities were completed by the establishment of a histology and cytology laboratory, handling all the hospital's work in this field. But the reading of microscope slides was still performed by the consultant pathologist. The small autopsy room in the hospital was also improved and re-equipped.

POK OI HOSPITAL

182. This charitable hospital at Yuen Long in the New Territories continued in 1971 to serve the population in Yuen Long and surrounding areas. Recently, the hospital was modestly expanded, and during the year, tenders were called for the construction of minor staff quarters, a kitchen, and a mortuary.

183. To improve the use of facilities, two surgical teams from the Queen Elizabeth Hospital visited the Pok Oi once a week for surgical clinics and operations. A small quantity of blood began to be stocked in the hospital for urgent use when required.

CARITAS MEDICAL CENTRE

184. The Caritas Medical Centre has 898 beds. It was erected with the aid of donations from Catholic communities in many parts of the world, in particular the Federal Republic of Germany, and is maintained partly with the aid of a government subvention. In 1971, this was \$4,440,000. The centre is situated in the densely populated district of So Uk in north-west Kowloon. It is administered by the Canossian Sisters and comprises blocks for general, tuberculosis and cancer patients, as well as quarters for staff and a nurses training school. The hospital continued to play an active part in the provision of medical services in Hong Kong.

185. During the year, a physiotherapy service on a small scale was set up. Other improvements included furnishing and equipping the milk kitchen in the maternity ward, the installation of an incinerator, and the extension of the hospital kitchen. The hospital also planned to develop the site adjacent to the medical centre by the construction of a nurses training centre, a physiotherapy block, a new chronic hospital block and staff quarters.

THE HONG KONG ANTI-TUBERCULOSIS AND THORACIC
DISEASES ASSOCIATION

186. The three institutions of this Association—the Grantham Hospital, the Ruttonjee Sanatorium, and the Freni Memorial Convalescent Home—provides the great majority of beds available for the treatment of tuberculosis, and a close liaison is maintained with the Government Chest Service.

The Grantham Hospital (Table 74)

187. This hospital of 612 beds is equipped as a modern chest hospital and is administered by the Grantham Hospital Management Board on a fee-paying, non-profit-making basis. The Government maintains 610 of the beds, but all staff of the hospital are provided by the Association, with the exception of government medical officers posted to the government clinical units, which are directly responsible for 218 of the beds. Because of the decline in the need for hospital beds for the treatment of pulmonary tuberculosis, 70 beds have been re-allocated for general use as convalescent beds for chest and heart cases from the Queen Mary Hospital.

188. The Grantham Hospital is also a centre for cardiac surgery. As a result of contributions from the Government, the University of Hong Kong, and the Association, open-heart surgery was begun in 1968. Staff of this unit consists of specialists from the Departments of Medicine and Surgery of the University of Hong Kong and from the Medical and Health Department.

The Ruttonjee Sanatorium and Freni Memorial Convalescent Home
(Table 75)

189. The Ruttonjee Sanatorium has 250 beds, including 40 for children. It is supported by voluntary contributions and by a subvention from the Government amounting to \$2,640,000 in the year under review. Patients are referred for admission by the government chest clinics or the casualty departments of government hospitals. Provision is also made for employees of the principal subscribers to the Association. Though the majority of patients admitted during the year suffered from pulmonary tuberculosis or its sequelae more patients with lung cancer were now being admitted. A special unit is provided for the management of patients suffering from tuberculous meningitis. The Freni Memorial Convalescent Home has 110 beds for adult males, and allows a greater

turnover of patients to take place in the Ruttonjee Sanatorium. It is used for post-operative patients, and also for those patients whose progress is uncomplicated but who need supervised anti-tuberculosis chemotherapy. The medical and nursing staff of the Ruttonjee Sanatorium operate the Freni Memorial Convalescent Home.

190. The hospital is currently co-operating with the Hong Kong Government and the British Medical Research Council in clinical studies on various aspects of the treatment of tuberculosis.

THE HAVEN OF HOPE SANATORIUM

191. This hospital of 322 beds is situated in the Junk Bay area of the New Territories, and a tuberculosis out-patient and follow-up clinic is maintained at nearby Rennie's Mill. During the year, the hospital was assisted in its recurrent expenditure by a government subvention of \$1,382,400.

THE DUCHESS OF KENT CHILDREN'S ORTHOPAEDIC HOSPITAL AND CONVALESCENT HOME

192. Maintained by the Society for the Relief of Disabled Children, with the aid of a government subvention of \$1,200,000, this modern children's orthopaedic hospital now contains 200 beds for children requiring specialized long-term orthopaedic care and surgery. Patients are admitted to the hospital through its own out-patient department and other clinics. Traumatic cases are transferred from the Queen Mary Hospital for convalescence. An orthopaedic appliance department is provided at the hospital. The Hong Kong Red Cross Society provides primary school teachers to enable the children to continue their education during convalescence.

OUR LADY OF MARYKNOLL HOSPITAL

193. This hospital of 264 beds is administered by the Maryknoll Sisters, and was maintained during the year with the aid of a government subvention of \$1,600,000. It is located at Wong Tai Sin in north-east Kowloon and provides general in-patient and out-patient facilities for this rapidly expanding area. During the year, certain improvements were made and new services provided, including a number of measures in the Out-Patient Department, the laboratory, and the setting up of ophthalmology and physiotherapy services.

HAY LING CHAU LEPROSARIUM

(Table 76)

194. This leprosarium, situated on an island six miles from Hong Kong Island, is maintained by the Leprosy Mission, Hong Kong Auxiliary, with the aid of a government subvention of \$840,000. It provides in-patient and rehabilitation facilities for leprosy patients, and has special facilities for those who require reconstructive surgery, or who are suffering from intercurrent disease. Fortunately, the number of patients has fallen in recent years as a result of the decreasing incidence of leprosy, and at the end of 1971, there were fewer than 200 patients at Hay Ling Chau.

THE HONG KONG SOCIETY FOR REHABILITATION MARGARET TRENCH MEDICAL REHABILITATION CENTRE

195. This centre, aided by a recurrent grant from the Government amounting to \$670,000 in 1971, accommodates 80 patients, with occupational workshops and facilities for physiotherapy and the manufacture of prostheses. It is designed to assist in the quick return to employment of those who have been injured, particularly as a result of industrial accidents.

NAM LONG HOSPITAL

196. The Nam Long, maintained by the Hong Kong Anti-Cancer Society, is situated at Brick Hill overlooking Aberdeen harbour. It has 120 beds, and takes in cancer patients, convalescing from major surgery, or from radiotherapy, and also those with advanced diseases. Chemotherapy is also given to patients. Cases are referred by government or private hospitals or by medical practitioners, and it is the policy of the hospital to admit only such cases. All needy patients receive free treatment, but for those who are able to pay, a small fee is charged. Patients are provided with medical social service. During the year, a third ward of 60 beds was completed in the expansion programme, and when it is put into operation, the hospital will accommodate a total of 180 patients.

THE HONG KONG BUDDHIST HOSPITAL

197. This hospital, situated in north-east Kowloon, was opened in October 1970. It has a capacity for 350 beds. The hospital is provided with beds for general medical, surgical and obstetric patients. During

the year, additional clinics in dermatology, ophthalmology and obstetrics were opened. The hospital was assisted by the Government with \$946,700 in 1971.

FANLING HOSPITAL

198. The Fanling Hospital has 54 beds. It is situated in the Fanling area of the New Territories. It is administered by the Lutheran World Federation. From April 1971, it began to be assisted by the Government in respect of its recurrent expenditure on a two-thirds cost per bed, subject to a ceiling. In addition to the provision of an in-patient service for general cases, the hospital also operates an out-patient clinic for residents in the Fanling district.

VI. DEVELOPMENT

(Table 77)

FORWARD PLANNING

199. Reference has been made to the unparalleled hospital development of the past 17 years. But the population has also been increasing rapidly, and there is considerable pressure on most categories of hospital beds, particularly those for acute and chronic general and mental patients. The White Paper on the Development of Medical Services in Hong Kong, tabled in the Legislative Council in February 1964, outlined the medical problems of the Colony and made suggestions to remedy deficiencies in order to produce, alongside a rapidly increasing population, a reasonably satisfactory standard of medical facilities. Developments were described as having to take account of the ability of the community to afford these facilities, either by direct payment or by indirect payment by means of taxation.

200. The working party which prepared the White Paper was re-constituted by the Governor as the Medical Development Plan Standing Committee. The Director of Medical and Health Services was appointed chairman, and the committee comprised two nominated members, and representatives of the Medical and Health Department, the Finance and Social Services branches of the Colonial Secretariat, and, when necessary, the Public Works Department. The committee has held 53 meetings since its inception, in order to keep the recommendations made in the White Paper under continual review and to report its conclusions on all major matters to the Government. The committee's activities

have fallen into five main categories—the development of medical institution, staffing of such institutions, subventions to government-assisted institutions, fees and charges, and improved utilization of existing medical facilities.

201. The principal matters with which the committee has been occupied were the Ad Hoc Committee on Medical Subventions, the utilization of vacant beds in government-assisted hospitals, medical facilities in the Kwun Tong district, and the subventions paid to government-assisted institutions.

202. Among new matters considered by the committee were the Kwong Wah Hospital Clinical Pathology Building, a review of the geographical distribution of medical services, the maternal and child health centre at Yau Tong, the additional floor of the Arran Street Clinic, the milk kitchen at the Tsan Yuk Hospital, a pupil nursing auxiliaries training school and quarters, and quarters for student nurses at Queen Mary Hospital.

COMPLETED PROJECTS

203. Two projects were completed and handed over to the Department during the year, namely the standard urban clinic at north Kwai Chung and the Tai Lam dental clinic at Tai Lam Chung. The Siu Lam Hospital was completed, and the buildings were in the process of being handed over to the Department by the end of the year.

PROJECTS UNDER CONSTRUCTION

204. Major projects on which construction had begun were the New Lai Chi Kok Hospital, the foundation stone of which was laid by H.R.H. The Princess Anne, the new Vaccine Institute at Pok Fu Lam, the reprovisioning of the Victoria Public Mortuary, reprovisioning of the mortuary at the Queen Mary Hospital, virus laboratory and clinical pathology services, Tsuen Wan/Kwai Chung Polyclinic, stage I, a Medical Department laundry, and the new Clinical Building at Queen Mary Hospital. Government-assisted projects under construction were the Yan Chai Hospital at Tsuen Wan, the centenary block of the Tung Wah Hospital, and the United Christian Hospital in Kwun Tong.

205. A detailed statement of development will be found in the statistical appendix to this report.

VII. TRAINING PROGRAMME

(Tables 78-80)

DOCTORS

206. This report has said earlier that the Queen Mary and the Tsan Yuk hospitals are used as teaching hospitals by the Faculty of Medicine of the University of Hong Kong. The University confers the degrees of M.B., B.S., which have been registrable with the General Medical Council of the United Kingdom since 1911. Between 1965 and 1969, the University's intake of medical students was 120 a year. From October 1970, the intake was increased to 150. Building works to expand the facilities for clinical teaching at the Queen Mary were in progress during 1971 to allow for the larger number of students expected to start their clinical training in October 1972.

207. There is a programme for the training of government doctors for post-graduate qualifications. A number of training posts has been established in the clinical units of major hospitals for post-qualification training, recognized by examining bodies in the United Kingdom and Australia. When selected, suitable candidates are given training under the supervision of clinical specialists for about four years. Subject to departmental needs, a local officer who has completed four years continuous resident service, and who has been confirmed to the pensionable establishment, may be granted paid study leave to attend a course of study outside the Colony to acquire knowledge, experience, or qualifications of advantage to the public, or to the officer in his official capacity. Through this arrangement, many government doctors have been given study leave and granted fellowships, scholarships, or study tours to attend courses of study overseas. Between 1965 and 1971, a total of 59 government doctors returned to Hong Kong with higher qualifications in various fields.

DENTAL STAFF

208. No training in dentistry is available in Hong Kong, but the Government annually awards scholarships overseas for the study of dentistry. Four such scholarships were awarded during the year. One scholar returned to Hong Kong after qualification, bringing the total of returned graduates to 67 out of a total of 89 scholarships so far awarded.

209. In-service training in dental technology continued in 1971 for government student dental technicians, while evening classes for dental technicians in private employment were held at the Hong Kong Technical College. During the year, three government student dental technicians passed the intermediate examination of the City and Guilds of the London Institute in Dental Technology. In-service training for selected dental surgery assistants in the fields of dental radiography and orthodontics was also carried out.

210. Seven dental surgery assistants were in Singapore and Penang during the year under World Health Organization scholarships for training in dental nursing. A dental nurse was on a 12-month dental nurse tutor course in New Zealand under a World Health Organization fellowship, to assist, on her completion of the course, in the training of dental nurses in Hong Kong.

NURSING STAFF

Nurses

211. There are three government hospital schools of nursing. Those at the Queen Elizabeth and Queen Mary hospitals are general schools, and the one at the Castle Peak Hospital is a psychiatric nursing school. Training at government schools and at the Caritas Medical Centre is in English. There are also approved schools at the Tung Wah group of hospitals, the Alice Ho Miu Ling Nethersole Hospital and the Hong Kong Sanatorium and Hospital, where instruction is in Cantonese. Examinations are held by the Nursing Board of Hong Kong, and there is full reciprocity of registration between the Board and the General Nursing Council of England and Wales.

Nursing auxiliaries

212. Two types of course are held for nursing auxiliaries. The general course lasts two years. It is undertaken at the Kowloon Hospital, and consists of theoretical and practical training in basic and routine nursing care of general hospital patients. The psychiatric course, also two years, is held at the Castle Peak Hospital, and consists of theoretical and practical training in the performance of routine nursing duties for, and in the maintenance of custodial care of, psychiatric patients.

Post-graduate nurses

213. Nine qualified nurses who had been sent overseas for further study returned to Hong Kong, having successfully gained post-graduate certificates in nursing education, dietetics, theatre service centre technique, orthopaedic nursing and intensive care therapy. A further nine nurses went overseas to study nursing education, nursing administration, dietetics, theatre service centre technique and ophthalmic nursing.

Midwifery

214. For registered general nurses, a one-year course in midwifery is held three times a year. For student midwives who are not registered nurses, a two-year course of training at the Tsan Yuk Hospital, and to a limited extent at other approved training schools, is accepted by the Midwives Board for entry to its examinations.

215. Due to the limited scope of domiciliary midwifery in Hong Kong, adequate practical training in this aspect of midwifery cannot be given, and full reciprocity of recognition of midwifery qualifications with the Central Midwives Board of England and Wales is not possible.

Health visitors

216. A nine-month health visitors' course is held yearly for registered nurses who also hold a midwifery certificate. Nine trained nurses successfully completed this course, which ended in January 1972.

Health auxiliaries

217. A two-year course for health auxiliaries is held yearly. It provides training in health education and public health nursing, which includes maternal and child health work, training and keeping of records of infectious diseases in general, and of tuberculosis, leprosy and venereal diseases in particular.

RADIOGRAPHERS

218. Training in this sphere continued during the year, and examinations were held in the Colony for membership of the Society of Radiographers in England for both therapy and diagnostic radiographers. During the year, three D.M.R.D. and four D.M.R.T. candidates passed the part I examination, held in Hong Kong in October 1971, by examiners from the Examining Board in England. Five candidates passed the final D.M.R.D. examination, and one the D.M.R.T.

LABORATORY TECHNICIANS

219. The Medical and Health Department Institute of Pathology maintained its in-service training for medical laboratory technicians, the intermediate examination of the Institute of Medical Laboratory Technology of the United Kingdom being held in Hong Kong. Technicians were also sent to the United Kingdom to obtain the AIMLT qualifications.

OTHER FORMS OF DEPARTMENTAL TRAINING

220. In-service courses of training were continued for dispensers, dental technicians and prosthetists. These do not all lead to recognized qualifications, but prepare those concerned for appointment to permanent posts in government service after passing a departmental examination.

VIII. ACKNOWLEDGEMENT

221. I would like to place on record my sincere appreciation to all ranks of the Department for their help in dealing with the many problems which the Department has had to face every day in the year under review. In spite of the fact that they often had to work under adverse circumstances, they all carried out their duties effectively with a true sense of devotion and dedication. The Department also received every assistance and co-operation from other government departments, voluntary agencies, the Press, and the radio and television networks. The patience shown by members of the public in spite of the many unavoidable shortcomings of the Service is deeply appreciated.

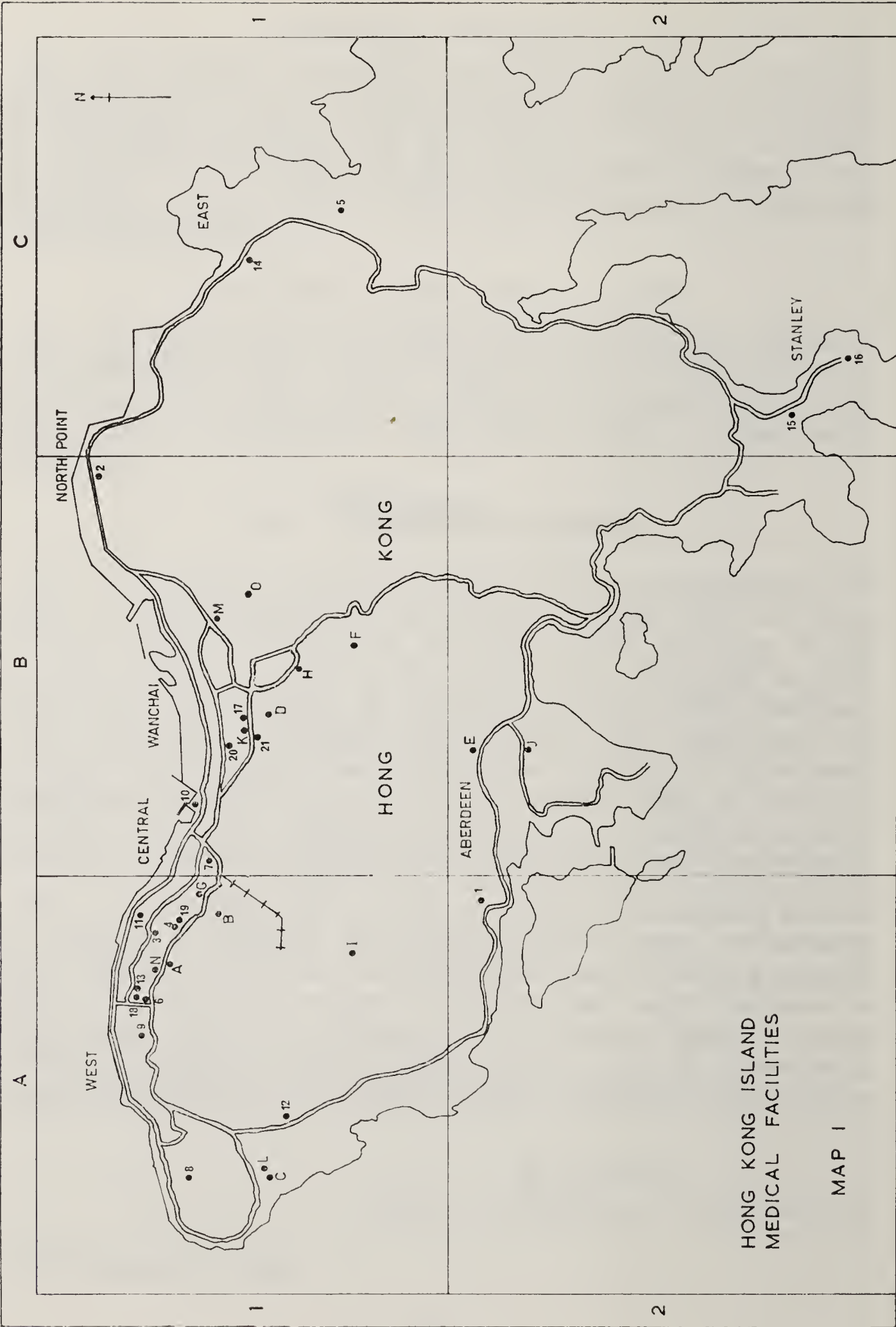
222. I would also wish to thank the many public-spirited persons who devoted so much of their valuable time to serve on statutory boards, advisory committees, working parties, and in voluntary agencies dealing with the many aspects of medical and health problems in Hong Kong. Thanks are also due to contributions made by private individuals, local and overseas organizations to assist the Government in providing facilities for all those in need of subsidized medical care.

G. H. CHOA,

Director of Medical and Health Services.

18th September, 1972.

TABLES

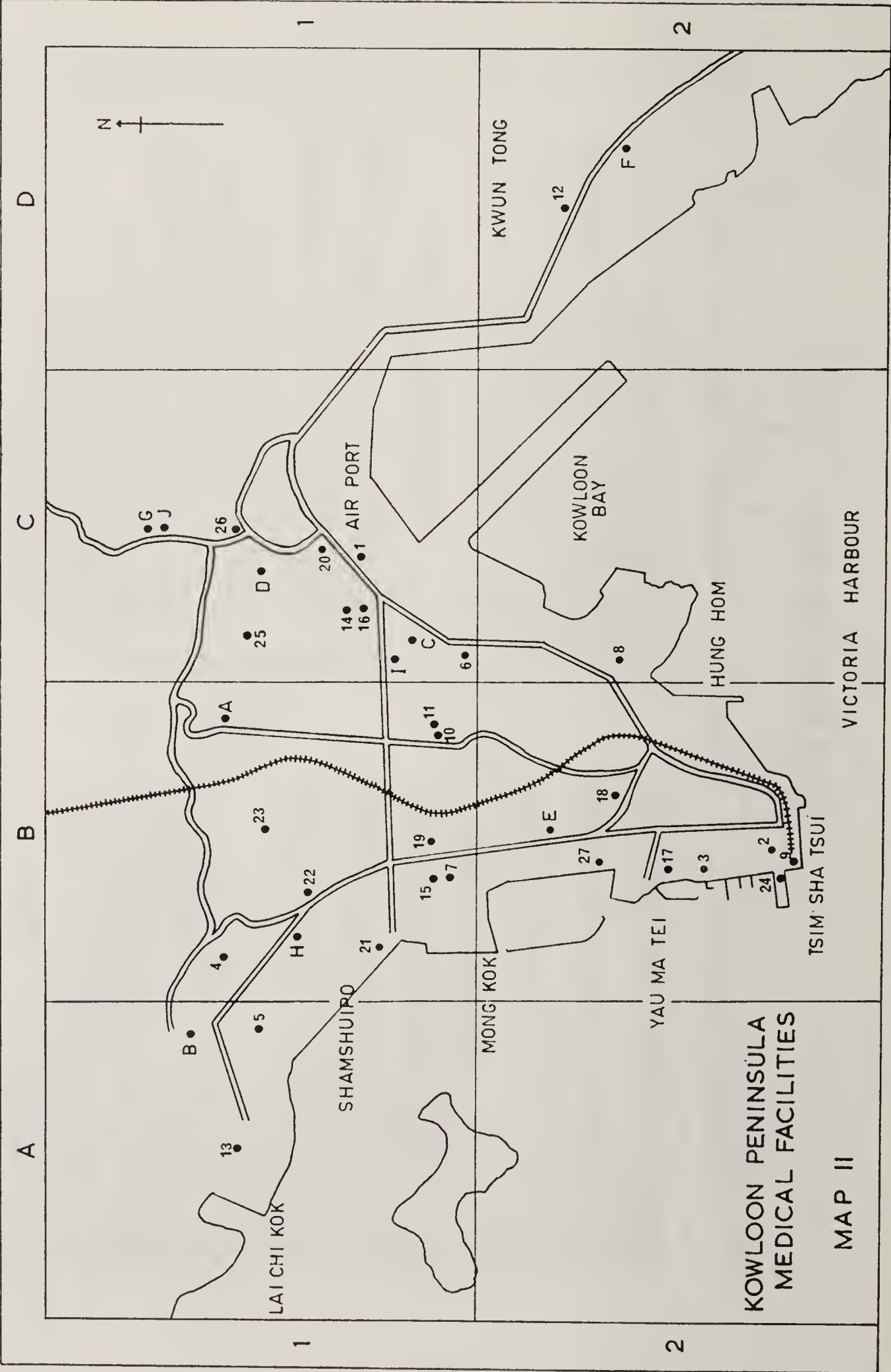


HONG KONG ISLAND
MEDICAL FACILITIES

MAP 1

HONG KONG ISLAND

GOVERNMENT INSTITUTIONS	MAP I	GOVERNMENT INSTITUTIONS (Contd.)	MAP I
1. Aberdeen Jockey Club Clinic (general out-patient facilities, dental clinic, maternal and child health centre and maternity home)	A 2	17. Tang Shiu Kin Hospital (a casualty and maternity hospital with out-patient department)	B 1
2. Anne Black Health Centre (general out-patient facilities, maternal and child health centre, maternity home, dental clinic and X-ray survey centre)	B 1	18. Tsan Yuk Hospital (a maternity hospital)	A 1
3. Central District Health Centre (general out-patient facilities, maternal and child health centre and special clinics)	A 1	19. Victoria Reception Centre (general out-patient facilities for prison officers and their families, and general medical and psychiatric facilities for detainees)	A 1
4. Central Police Medical Post (general out-patient and dental facilities for police officers and their families)	A 1	20. Violet Peel Polyclinic (general out-patient facilities with special clinics and an ophthalmic centre)	B 1
5. Chai Wan Clinic and Maternity Home	C 1	21. Wan Chai Clinic (a dental centre, tuberculosis clinic and physiotherapy department)	B 1
6. David Trench Rehabilitation Centre (embracing Tang Shiu Kin Physiotherapy Unit, Hong Kong Psychiatric Centre, Western M.C.H.)	A 1	GOVERNMENT-ASSISTED AND PRIVATE HOSPITALS	
7. Hong Kong Families Clinic (general out-patient facilities and dental clinic for English-speaking Government Servants and their families)	B 1	A. Alice Ho Miu Ling Nethersole Hospital (a general hospital)	A 1
8. Kennedy Town Jockey Club Clinic (general out-patient facilities, maternal and child health centre, maternity home and dental clinic)	A 1	B. Canossa Hospital (a general hospital)	A 1
9. Li Sing Dental Clinic	A 1	C. Duchess of Kent Children's Orthopaedic Hospital and Convalescent Home	A 1
10. Port Health Inoculation Centre, Harcourt Road	B 1	D. Freni Memorial Convalescent Home	B 1
11. Port Health Inoculation Centre, Marine Building	A 1	E. Grantham Hospital (a tuberculosis hospital)	B 2
12. Queen Mary Hospital (an acute general hospital with casualty department)	A 1	F. Hong Kong Adventist Hospital (a general hospital)	B 1
13. Sai Ying Pun Hospital (infectious diseases) and Sai Ying Pun Jockey Club Clinic (general out-patient and special clinics)	A 1	G. Hong Kong Central Hospital (a general hospital)	A 1
14. Shau Kei Wan Jockey Club Clinic (general out-patient facilities, maternal and child health centre, maternity home, chest clinic and dental clinic)	C 1	H. Hong Kong Sanatorium and Hospital (a general hospital)	B 1
15. Stanley Dispensary and Maternity Home (a maternity home with some out-patient facilities and dental clinic)	C 2	I. Matilda and War Memorial Hospital (a general hospital)	A 1
16. Stanley Prison Hospital	C 2	J. Nam Long Hospital (a cancer hospital)	B 2
		K. Ruttonjee Sanatorium (a tuberculosis hospital)	B 1
		L. Sandy Bay Convalescent Hospital	A 1
		M. St. Paul's Hospital (a general hospital)	B 1
		N. Tung Wah Hospital (a general hospital with out-patient department and special clinics)	A 1
		O. Tung Wah Eastern Hospital (a general hospital with out-patient department)	B 1



KOWLOON PENINSULA
MEDICAL FACILITIES

MAP II

GOVERNMENT INSTITUTIONS	MAP II	GOVERNMENT INSTITUTIONS (<i>Contd.</i>)	MAP II
1. Air Port Health Station	C 1	20. Robert Black Health Centre (general out-patient facilities, maternal and child health centre and maternity home)	C 1
2. Ashley Road Social Hygiene Clinic (a male treatment centre for venereal disease)	B 2	21. Sham Shui Po Public Dispensary (general out-patient facilities)	B 1
3. Canton Road Police Medical Post (general out-patient and dental facilities for police officers and their families)	B 2	22. Shek Kip Mei Health Centre (general out-patient facilities with special clinics, a chest clinic and a maternal and child health centre)	B 1
4. Cheung Sha Wan Jockey Club Clinic (general out-patient facilities, maternal and Child health centre, maternity home and eye clinic)	B 1	23. Tai Hang Tung Clinic (general out-patient facilities)	B 1
5. Sheung Sha Wan Police Medical Post (general out-patient and dental facilities for police officers and their families)	A 1	24. Tsim Sha Tsui Port Health Inoculation Centre, Ocean Terminal	B 2
6. Farm Road Dental Clinic	C 1	25. Wang Tau Hom Jockey Club Clinic (general out-patient facilities, maternal and child health centre and maternity home)	C 1
7. Government Ophthalmic Clinic—Arran Street (an ophthalmic centre)	B 1	26. Wong Tai Sin Police Quarters Medical Post (general out-patient and dental facilities for police officers and their families)	C 1
8. Hung Hom Clinic & Maternity Home (general out-patient facilities and maternity home)	C 2	27. Yau Ma Tei Jockey Club Polyclinic (general out-patient, social hygiene facilities, eye clinic, dental clinic, chest clinic, maternal and child health centre)	B 2
9. Kowloon-Canton Railway Staff Clinic (dental facilities for railway staff and their families)	B 2		
10. Kowloon Chest Clinic (a tuberculosis Clinic)	B 1	GOVERNMENT-ASSISTED AND PRIVATE HOSPITALS	
11. Kowloon Hospital and Out-patient Department (a general hospital with general out-patient and dental facilities)	B 1	A. Baptist Hospital (a general hospital)	B 1
12. Kwun Tong Health Centre (general out-patient facilities, maternal and child health centre, dental clinic and maternity home)	D 2	B. Caritas Medical Centre (a general and tuberculosis hospital)	A 1
13. Lai Chi Kok Hospital (an infectious diseases and convalescent hospital, with an Isolation Unit for the segregation of suspected cases of quarantinable diseases)	A 1	C. Evangel Medical Centre (a general hospital)	C 1
14. Li Kee Memorial Dispensary (general out-patient facilities with special clinics and a dental clinic)	C 1	D. Hong Kong Buddhist Hospital (a general hospital)	C 1
15. Li Po Chun Health Centre (general out-patient facilities, maternal and child health centre and maternity home)	B 1	E. Kwong Wah Hospital (a general hospital with out-patient department)	B 2
16. Lions Club Maternal and Child Health Centre (maternal and child health centre and maternity home)	C 1	F. Margaret Trench Medical Rehabilitation Centre	D 2
17. Medical Examination Board	B 2	G. Our Lady of Maryknoll Hospital (a general hospital)	C 1
18. Queen Elizabeth Hospital (an acute specialised general hospital with casualty department and specialist clinic)	B 2	H. Precious Blood Hospital (a general hospital)	B 1
19. Queen Elizabeth School Dental Clinic	B 1	I. St. Teresa's Hospital (a general hospital)	C 1
		J. Wong Tai Sin Infirmary	C 1



NEW TERRITORIES

GOVERNMENT INSTITUTIONS		MAP III
1. Castle Peak Hospital (a mental hospital)		B 2
2. Castle Peak Clinic (general out-patient facilities and maternity home)		B 2
3. Chi Ma Wan Prison Hospital		B 4
4. Ho Tung Dispensary (general out-patient facilities and maternity home)		B 1
5. Kam Tin Clinic (a maternity home with some out-patient facilities)		B 2
6. Lady Trench Polyclinic (general out-patient facilities with special clinics)		B 2
7. Maurine Grantham Health Centre (maternal and child health centre and maternity home)		C 2
8. North Kwai Chung Clinic (general out-patient facilities and maternal and child health centre)		C 2
9. North Lamma Clinic (a maternity home with some out-patient facilities)		B 4
10. Peng Chau Clinic (a maternity home with some out-patient facilities)		B 3
11. Sai Kung Dispensary (general out-patient facilities and maternity Home)		D 2
12. Sha Tau Kok Clinic (some out-patient facilities)		C 1
13. Sha Tin Clinic (general out-patient facilities and maternity home)		C 2
14. Shek Wu Hui Jockey Club Clinic (general out-patient facilities and maternity home)		C 1
15. Silver Mine Bay Dispensary (a maternity home with some out-patient facilities)		B 3
16. South Lantau Hospital (a general hospital with out-patient facilities)		A 4
17. St. John Hospital (a general hospital with out-patient department)		B 4
18. Tai Lam Addiction Treatment Centre		B 2
19. Tai Lam Centre for Women		B 2
20. Tai O Dispensary (general out-patient facilities and maternity home)		A 3
21. Tai Po Jockey Clinic (general out-patient facilities, dental clinic and maternity home)		C 2
22. Tong Fuk Prison Hospital		A 4
23. Yuen Long Dispensary (general out-patient facilities, dental clinic and maternity home)		B 2
GOVERNMENT-ASSISTED AND PRIVATE HOSPITALS		
A. Hong Kong Adventist Hospital, Tsuen Wan (a general hospital)		B 2
B. Fanling Hospital (a general hospital)		C 1
C. Haven of Hope Tuberculosis Sanatorium		C 3
D. Hay Ling Chau Leprosarium		B 3
E. Pok Oi Hospital (a general hospital)		B 2
F. The Society for the Aid and Rehabilitation of Drug Addicts (Shek Kwu Chau)		B 4

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TABLE 1

ESTABLISHMENT OF THE MEDICAL AND HEALTH DEPARTMENT
AS AT 31ST MARCH, 1972

Zone Grade											Total	Strength on 31.3.71
	Headquarters	Queen Mary Hospital	Queen Elizabeth Hospital	Lai Chi Kok Hospital	Kowloon Hospital	Castle Peak Hospital and Mental Health Centre	Tsan Yuk Hospital	Dental Service	Tuberculosis Service	Other Hospitals, Clinics and Services		
Director of Medical and Health Services	1	—	—	—	—	—	—	—	—	—	1	1
Deputy Director of Medical and Health Services	2	—	—	—	—	—	—	—	—	—	2	2
Assistant Director of Medical and Health Services	4	—	—	—	—	—	—	—	—	—	4	4
Senior Specialist and Specialist Principal Medical and Health Officer	—	10	21	—	1	3	—	3	3	7	48	46
Chief Executive Officer/Senior Executive Officer/Executive Officer	3	1	1	1	1	—	—	—	—	4	11	8
Senior Treasury Accountant/Treasury Accountant	11	—	1	—	—	—	—	1	—	—	13	13
Senior Medical and Health Officer/Medical and Health Officer/Assistant Medical and Health Officer	2	—	—	—	—	—	—	—	—	—	2	2
Senior Dental Officer/Dental Officer/Assistant Dental Officer	2	94	143	6	32	19	12	—	30	343	681	586
Principal Nursing Officer	—	3	5	—	2	1	—	54	—	—	65	63
Nursing Staff	1	—	—	—	—	—	—	—	—	—	1	1
Senior Dietitian/Dietitian	2	796	1,014	412	661	445	185	—	151	824	4,490	3,792
Senior Medical Social Worker/Medical Social Worker Class I and Class II	—	3	5	3	1	1	—	—	—	—	13	8
Chief Pharmacist/Senior Pharmacist/Pharmacist/Chief Dispenser/Senior Dispenser/Dispenser/Student Dispenser/Dispensary Supervisor	—	12	12	2	7	13	2	—	13	30	91	88
Government Chemist/Senior Chemist/Chemist/Assistant Biochemist	—	20	24	16	7	6	2	—	9	143	227	212
Scientific Officer (Medical) and (Clinical Psychologist)	—	—	—	—	—	—	—	—	—	16	16	15
Senior Physicist/Physicist	—	—	2	—	—	1	—	—	—	1	4	3
Chief Hospital Secretary/Senior Hospital Secretary/Hospital Secretary/Assistant Hospital Secretary	—	2	6	—	—	—	—	—	—	—	8	8
Steward Class I, Class II and Class III	1	3	5	2	2	2	—	—	—	5	20	17
General Grade Staff	—	3	11	2	3	4	1	—	—	10	34	28
Superintendent Radiographer/Senior Radiographer/Radiographer Class I/Radiographer Class II/Student Radiographer	105	57	109	6	40	28	6	39	54	227	671	663
X-Ray Assistant	—	33	53	17	4	—	—	—	—	42	149	128
Superintendent Physiotherapist/Senior Physiotherapist/Tutor Physiotherapist/Physiotherapist Class I/Physiotherapist Class II/Student Physiotherapist	—	—	—	—	—	—	—	—	—	20	20	19
Carried forward	—	9	56	11	8	—	—	—	—	26	110	99
	134	1,046	1,468	478	769	523	208	97	260	1,698	6,681	5,806

TABLE 1—Contd.

Zone Grade		Headquarters	Queen Mary Hospital	Queen Elizabeth Hospital	Lai Chi Kok Hospital	Kowloon Hospital	Castle Peak Hospital and Mental Health Centre	Tsan Yuk Hospital	Dental Service	Tuberculosis Service	Other Hospitals, Clinics and Services	Total	Strength on 31.3.71
<i>Brought forward</i>	...	134	1,046	1,468	478	769	523	208	97	260	1,698	6,681	5,806
Superintendent Occupational Therapist/Senior Occupational Therapist/Occupational Therapy Assistant	...	—	4	5	4	7	51	—	—	—	12	83	80
Chief Medical Technologist/Senior Medical Technologist/Medical Technologist/Medical Laboratory Technician Class I/Medical Laboratory Technician Class II/Student Medical Laboratory Technician	...	—	14	34	36	—	3	—	—	—	104	191	152
Senior Laboratory Assistant/Laboratory Assistant/Student Laboratory Assistant	...	—	—	—	—	—	—	—	—	—	43	43	43
Senior Health Inspector/Health Inspector Class I and II	...	—	—	—	—	—	—	—	—	—	11	11	8
Senior Inoculator/Inoculator	...	—	—	—	—	—	—	—	—	14	113	127	125
Audiology Technician	...	—	—	—	—	—	—	—	—	—	1	1	1
Prosthetist Class I/Prosthetist Class II/Student Prosthetist	...	—	—	—	—	—	—	—	—	—	16	16	15
Mould Laboratory Technician/Student Mould Laboratory Technician	...	—	2	4	—	—	—	—	—	—	—	6	4
Dental Technologist	...	—	—	—	—	—	—	—	2	—	—	2	2
Dental Technician/Student Dental Technician	...	—	2	2	1	—	—	—	38	—	—	43	41
Dental Inspector	...	—	—	—	—	—	—	—	2	—	—	2	2
Senior Dental Surgery Assistant/Dental Surgery Assistant	...	—	3	4	—	2	1	—	64	—	—	74	71
Dental Nurse	...	—	—	—	—	—	—	—	12	—	—	12	12
Laundry Manager/Assistant Laundry Manager/Laundry Supervisor	...	—	3	3	1	2	1	1	—	—	1	12	12
Linen Production Unit Manager/Linen Production Unit Supervisor/Linen Room Supervisor	...	—	—	1	—	—	—	—	—	—	4	5	4
Senior Electrical Technician/Electrical Technician	...	—	3	4	—	—	—	—	—	—	3	10	9
Senior Optical Technician/Optical Technician	...	—	—	—	—	—	—	—	—	—	5	5	5
Technical Assistant (Social Hygiene)	...	—	—	—	—	—	—	—	—	—	1	1	1
Kitchen Supervisor	...	—	—	—	1	1	1	1	—	—	—	4	4
Mortuary Assistant	...	—	—	1	—	—	—	—	—	—	2	3	2
Medical Board Assistant	...	—	—	—	—	—	—	—	—	—	1	1	1
Poster Artist	...	1	—	—	—	—	—	—	—	—	—	1	1
Photographer Class I and Class II	...	—	1	2	—	—	—	—	—	—	—	3	3
Fumigator	...	—	—	—	—	—	—	—	—	—	1	1	1
Foreman Class I and Class III	...	—	—	12	—	—	—	—	—	—	—	12	12
Supplies Officer/Assistant Supplies Officer/Supplies Supervisor/Supplies Assistant	...	2	3	9	—	3	2	—	5	—	12	36	34
Telephone Operator	...	1	7	8	4	5	4	4	—	—	10	43	42
Hospital Receptionist	...	—	3	3	—	—	—	—	—	—	—	6	6
Other Staff	...	12	791	1,278	196	486	722	124	43	39	1,611	5,302	4,768
TOTAL	...	150	1,882	2,838	721	1,275	1,308	338	263	313	3,649	12,737	11,267

ADMINISTRATION OF MEDICAL AND HEALTH DEPARTMENT



TABLE 3

STATEMENT OF EXPENDITURE FROM 1967-68 TO 1971-72

Particulars	1967-68	1968-69	1969-70	1970-71	1971-72
	\$	\$	\$	\$	\$
(a) Medical and Health Department	120,524,934	133,582,644	148,239,041	177,874,176	189,714,915
(b) Medical Subventions	46,341,311	52,457,856	57,732,380	63,146,736	82,046,061
(c) Capital expenditure on medical projects under Public Works Non-Recurent	7,439,173	8,420,115	11,434,288	11,225,360	32,615,571
Total	174,305,418	194,460,615	217,405,709	252,246,272	304,376,547
Total expenditure of the Colony	1,766,022,040	1,872,974,955	2,032,183,388	2,452,192,832	2,901,375,575
Percentage of Medical and Health Department Expenditure to the Total Expenditure of the Colony	9.87 %	10.38 %	10.70 %	10.29 %	10.49 %

TABLE 4

LEGISLATION OF MEDICAL AND HEALTH IMPORTANCE APRIL 1971 TO MARCH 1972

Ordinances:

- (i) Clean Air (Amendment) Ordinance 1971.
- (ii) Dangerous Drugs (Amendment) Ordinance 1971.
- (iii) Medical Registration (Amendment) Ordinance 1971.
- (iv) Quarantine and Prevention of Disease (Amendment) Ordinance 1971.
- (v) Offences against the Person (Amendment) Ordinance 1972.

Rules and Regulations:

- (a) Drug Addiction Treatment Centres (Amendment) Regulations 1971.
- (b) Medical Practitioners (Registration and Disciplinary Procedure) (Amendment) Regulations 1971.
- (c) Medical Practitioners (Registration and Disciplinary Procedure) (Amendment) (No. 2) Regulations 1971.

TABLE 5

WORK OF STATUTORY COUNCILS AND BOARDS—APRIL 1971 TO MARCH 1972

	Medical Council		Dental Council		Nursing Board		Midwives Board	Pharmacy and Poisons Board	Radiation Board	Medical Advisory Board**
Number of meetings held...	2		1		3		3	4	2	—
Number on the Register ...	Local list	Over-seas list	Dentists	Dental Hygienists	General Female: 5,313 Mental Male: 312 62 109		4,561	190	328||	—
	2,167	35	487	4						
Number of applications for registration ...	192*	35‡	25‡	3	General Female: 4238 Mental Male: 32 9 19		305	33	36||	—
	(115)†									
Number of registrations granted ...	192*	35‡	26‡	2	General Female: 4168 Mental Male: 32 9 19		298	9	28||	—
	(115)†									
Number of examinations held ...	—	—	Oral & Practical Written	7 5	General Mental 3 2		4	2	—	—
Number of candidates examined ...	—	—	Oral & Practical Written	7 14	General Mental 378 15		248	27	—	—
Number of successful candidates ...	—	—	Oral & Practical Written	6 10	General Mental 374 15		232	5	—	—
Number of disciplinary hearings held ...	2	—	—	—	—		1	2	—	—
Number of removals from register ...	55	—	26	—	General Female: 3 Mental Male: — 2		4	1	14¶	—

* Including 4 restorations to the register.
† Figures in brackets represent applications for provisional registration (not included in total).
‡ Including 1 restoration to the register.
§ Including 2 restorations to the register.
|| These figures refer to the licensing of irradiating apparatus.
¶ These figures refer to number of cancellation of irradiating apparatus licences.
** Not a statutory Board.

TABLE 6

POPULATION STRUCTURE, MID 1971

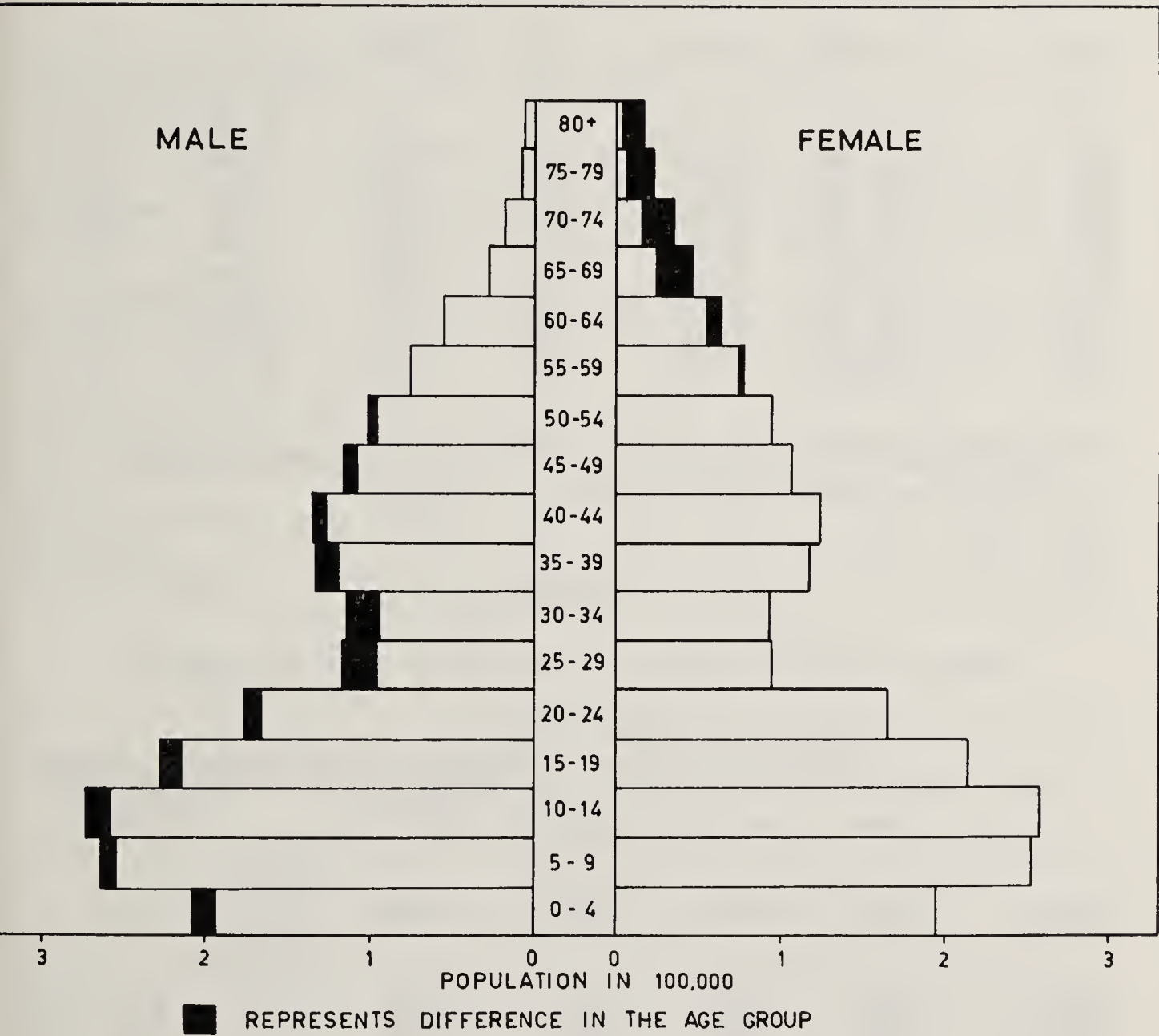


TABLE 7
BIRTHS AND DEATHS 1957 AND 1962-71

Year	Estimated* Mid-Year Population	Registered Live Births	Crude Birth Rate† (per 1,000 Population)	Still Births Recorded	Registered Deaths	Crude Death Rate† (per 1,000 Population)
1957	2,736,300	97,834	35.8	1,245	19,365	7.1
1962	3,305,200	111,905	33.9	1,560	20,324	6.1
1963	3,420,900	115,263	33.7	1,633	19,748	5.8
1964	3,504,600	108,519	31.0	1,485	18,113	5.2
1965	3,597,900	102,195	28.4	1,363	17,621	4.9
1966	3,629,900	92,476	25.5	1,246	18,700	5.2
1967	3,722,800	88,171	23.7	999	19,644	5.3
1968	3,802,700	82,992	21.8	832	19,319	5.1
1969	3,863,900	79,329	20.5	757	18,730	4.8
1970	3,959,000	77,465	19.6	726	20,763	5.2
1971	4,045,300	76,818	19.0	656	20,253	5.0

* Revised population estimates based on the results of 1971 Census. (For the years 1962-71).

† Rates based on revised population estimates.

TABLE 8
INFANT AND MATERNAL MORTALITY 1957 AND 1962-71

Year	Infant Mortality Rate (per 1,000 live births)			Neo-natal Mortality Rate (per 1,000 live births)	Maternal Mortality Rate (per 1,000 total births)
	Male	Female	Both Sexes		
1957	57.6	53.3	55.6	23.8	1.06
1961	40.6	34.5	37.7	21.0	0.45
1962	39.9	33.7	36.9	21.2	0.48
1963	35.3	30.5	32.9	18.9	0.29
1964	29.2	23.5	26.4	16.6	0.38
1965	26.8	20.5	23.7	15.2	0.33
1966	27.2	22.3	24.9	15.3	0.43
1967	28.7	22.3	25.6	15.9	0.30
1968	25.2	20.7	23.0	15.0	0.14
1969	24.2	19.3	21.8	14.9	0.15
1970	22.2	16.8	19.6	12.7	0.19
1971	21.0	15.5	18.4	12.6	0.14

TABLE 9

MAJOR CAUSES OF INFANT MORTALITY 1957, 1962 AND 1967-71
(per 1,000 registered live births)

Diseases Group	Detailed List Number 8th Revision	1957	1962	1967*	1968*	1969	1970	1971
Respiratory Tuberculosis	010-012	0.36	0.05	0.01	0.01	—	—	0.01
Tuberculosis Meningitis	013	1.04	0.14	0.02	0.01	0.03	—	—
Other Forms of Tuberculosis ...	014-019	0.17	0.05	0.02	0.02	0.03	—	—
Tetanus ...	037	2.00	0.52	0.18	0.04	0.05	0.10	0.12
Pneumonia ...	480-486	21.06	9.83	6.97	6.13	4.29	4.21	3.85
Bronchitis ...	466, 490-491	0.86	0.05	0.09	0.06	0.09	0.09	0.08
Gastro-enteritis ...	561	11.46	5.83	1.70	1.64	1.29	0.53	0.76
Congenital Anomalies ...	740-759	1.32	1.46	2.05	2.88	3.33	3.09	3.14
Births Injuries ...	764-768, 772	0.51	0.48	0.66	0.51	0.43	0.25	0.46
Anoxia and Hypoxia of Newborn ...	776	2.68	1.35	1.75	1.64	1.53	1.56	1.58
Blood Diseases of Newborn ...	774-775	1.00	1.74	1.81	1.58	1.40	1.38	1.05
Nutritional Deficiency ...	260-269	0.80	0.32	0.04	0.13	0.03	0.04	0.01
Immaturity ...	777	9.68	9.20	5.39	5.27	6.62	5.14	4.78
Ill-defined Causes ...	795-796	1.28	1.52	0.24	0.11	0.04	0.06	0.08

* Data Grouping according to I.C.D. 7th Revision.

TABLE 10

MAJOR CAUSES OF MATERNAL MORTALITY 1957 AND 1962-71
(per 1,000 total birth)

Year	Sepsis (excluding septic abortions)	Toxaemias	Haemorrhages	Abortions	Ectopic Pregnancies	Others
*1957 ...	0.020	0.373	0.334	0.040	0.060	0.132
*1962 ...	0.018	0.141	0.185	0.026	0.044	0.062
*1963 ...	0.017	0.077	0.111	0.009	0.034	0.051
*1964 ...	0.009	0.055	0.118	0.045	0.055	0.100
*1965 ...	0.019	0.077	0.135	0.009	0.019	0.068
*1966 ...	0.011	0.053	0.107	0.032	0.128	0.096
*1967 ...	0.011	0.056	0.123	0.011	0.034	0.067
*1968 ...	0	0.024	0.084	0	0.024	0.012
1969 ...	0.012	0.025	0.050	0.012	0.012	0.037
1970 ...	0	0.038	0.051	0.013	0.064	0.026
1971 ...	0.013	0.039	0.013	0.013	0.039	0.026

* Data Grouping according to I.C.D. 7th Revision.

TABLE 11

PROPORTIONATE MORTALITY BY DISEASE GROUPS 1957, 1962 AND 1967-71

(Percentage of Total Deaths)

Disease Group	Detailed List Number 8th Revision	1957*	1962*	1967*	1968*	1969	1970	1971
1. Infective and Parasitic	000-136	16.6	13.5	12.6	9.0	8.9	7.9	7.2
2. Neoplasm	140-239	7.5	12.4	17.4	18.7	20.6	19.1	21.0
3. Endocrine, Nutritional, Metabolic and Blood	240-289	1.6	1.2	1.7	2.2	1.6	1.5	1.2
4. Nervous System and Sense Organs...	290-389	4.6	8.4	10.7	10.3	1.0	1.1	0.8
5. Circulatory System	390-458	8.0	11.0	14.0	15.2	25.0†	25.1†	25.3†
6. Respiratory System	460-519	22.8	13.9	12.8	12.5	13.5	15.0	16.6
7. Intestinal System	520-577	12.1	6.8	5.3	5.5	5.8	5.3	5.1
8. Genito-Urinary System	580-629	2.2	2.1	1.9	2.1	2.2	2.2	2.2
9. Pregnancy, Child-birth and Puerperium	630-678	0.5	0.3	0.1	0.1	0.1	0.1	0.1
10. Skin and Musculo-Skeletal System...	680-738	0.4	0.2	0.2	0.4	0.3	0.2	0.2
11. Congenital Anomalies and Causes of Perinatal Morbidity and Mortality	740-779	10.5	11.4	7.8	7.5	6.2	4.8	4.4
12. Ill-defined Causes	780-796	8.2	11.4	8.8	9.3	10.0	9.4	8.8
13. Accidents, Poisonings and Violence	E800-E999	5.0	7.6	6.8	7.2	4.8	8.3	7.1

* Data Grouping according to I.C.D. 7th Revision.

† Including Cerebrovascular Disease (formerly Vascular lesion affecting central nervous system under the Nervous System and Sense Organs).

TABLE 12

THE TEN LEADING CAUSES OF DEATH BY AGE AND SEX, 1971

R a n k	Cause of Death	Detailed List No. 8th Revision	Sex	Age Group							
				All Ages	0	1-4	5-14	15-44	45-64	65 & Over	Un- known
	All Causes		M F T	11,410 8,843 20,253	832 578 1,410	182 132 314	238 161 399	1,685 834 2,519	4,686 2,237 6,923	3,787 4,901 8,688	— — —
1	Malignant neoplasms, includ- ing neoplasms of lymphatic & haematopoietic tissues	140-209	M F T	2,469 1,768 4,237	4 4 8	17 6 23	27 24 51	426 217 643	1,367 796 2,163	628 721 1,349	— — —
2	Heart Diseases, including hypertensive diseases	390-392 393-398 400-404 410-414 420-429	M F T	1,5222 1,430 2,952	2 1 3	2 2 4	11 12 23	130 106 236	681 353 1,034	696 956 1,652	— — —
3	Pneumonia, all forms	480-486	M F T	1,242 1,021 2,263	157 139 296	58 44 102	35 20 55	120 45 165	368 137 505	504 636 1,140	— — —
4	Cerebrovascular Disease	430-438	M F T	1,003 953 1,956	1 2 3	2 — 2	8 4 12	52 46 98	456 248 704	484 653 1,137	— — —
5	Tuberculosis	010-012 013-019	M F T	949 301 1,250	— 1 1	1 6 7	1 3 4	128 51 179	565 105 670	254 135 389	— — —
6	All accidents	E800-E807 E810-E823 E825-E949	M F T	634 291 925	24 15 39	61 41 102	99 53 152	242 43 285	153 71 224	55 68 123	— — —

TABLE 12—Contd.

Rank	Cause of Death	Detailed List No. 8th Revision	Sex	Age Group								Un- known
				All Ages	0	1-4	5-14	15-44	45-64	65 & Over		
7	Bronchitis, emphysema and asthma	490-493	M F T	526 362 888	— 1 1	1 1 2	4 — 4	34 10 44	240 111 351	247 239 486	— — —	
8	Suicide and self inflicted injuries	E950-E959	M F T	217 171 388	— — —	— — —	2 2 4	99 74 173	91 49 140	25 46 71	— — —	
9	Certain causes of Perinatal Mortality	760-779	M F T	394 226 620	394 226 620	— — —	— — —	— — —	— — —	— — —	— — —	
10	Cirrhosis of Liver	571	M F T	284 79 363	2 2 4	— — —	3 — 3	65 9 74	156 34 190	58 34 92	— — —	
	Congenital Anomalies	740-759	M F T	149 134 283	129 112 241	9 8 17	6 10 16	4 3 7	— — —	1 1 2	— — —	
	Nephritis and Nephrosis	580-584	M F T	135 138 273	— — —	— — —	3 2 5	40 40 80	48 45 93	44 51 95	— — —	
	Peptic ulcer	531-533	M F T	114 49 163	1 — 1	1 — 1	— — —	19 2 21	45 13 58	48 34 82	— — —	
	All Other causes		M F T	1,772 1,920 3,692	118 75 193	30 24 54	39 31 70	326 188 514	516 275 791	743 1,327 2,070	— — —	

TABLE 13

INFECTIOUS DISEASES NOTIFIED CASES AND DEATHS 1967-71

Diseases	Cases					Deaths				
	1967	1968	1969	1970	1971	1967	1968	1969	1970	1971
Cholera ...	—	—	9	—	—	—	—	—	—	—
Amoebic Dysentery ...	154	117	85	68	66	21	12	7	4	4
Bacillary Dysentery ...	829*	869*	736	609	543	7*	6*	5	7	3
Cerebro-spinal Meningitis ...	55	32	23	10	5	16	14	4	4	1
Chickenpox ...	1,257	900	445	959	443	10	1	—	2	—
Diphtheria ...	226	113	62	43	25	18	10	10	4	2
Enteric Fever (Typhoid and Paratyphoid) ...	728	552	546	438	515	11	8	7	5	6
Leprosy ...	148	164	127	135	117	4	—	—	—	—
Malaria ...	65	19	11	3	9	2	—	—	1†	—
Measles ...	4,726	1,138	994	1,011	591	654	46	21	13	4
Ophthalmia Neonatorum ...	191	203	76	84	56	—	—	—	—	—
Poliomyelitis ...	5	15	16	27	2	3	2	3	3	—
Puerperal Fever ...	1	1	1	1	1	1	—	1	1	1
Scarlet Fever ...	64	8	4	3	5	—	1	—	1	—
Tuberculosis ...	15,253	9,792	11,072	10,077	9,028	1,493	1,483	1,470	1,436	1,250
Typhus (Mite-borne) ...	—	—	—	—	2	—	—	—	—	—
Whooping Cough ...	40	88	3	5	2	—	—	—	—	—
Total ...	23,742	14,011	14,210	13,473	11,410	2,240	1,583	1,528	1,481	1,271

‡Influenza ...	4,923	8,493	3,232	5,814	7,397	25	45	14	16	34
----------------	-------	-------	-------	-------	-------	----	----	----	----	----

Remarks: * Including unspecified Dysentery.

† Case reported in 1969.

‡ Voluntary Notifications.

The above table omits rabies, smallpox, plague, epidemic louse-borne typhus, yellow fever and relapsing fever—no case of any of which was reported during the year.

TABLE 14

MORTALITY RATES FOR CERTAIN INFECTIOUS DISEASES 1967-71

Diseases	Cases Fatality Ratio (Deaths as percentage of Notifications)					Death Rate (per million populations)*				
	1967	1968	1969	1970	1971	1967	1968	1969	1970	1971
Cholera	—	—	—	—	—	—	—	—	—	—
Amoebiasis	13.64	10.26	8.23	5.88	6.06	5.64	3.16	1.81	1.01	0.99
Cerebrospinal Meningitis...	29.09	43.75	17.39	40.00	20.00	4.30	3.68	1.04	1.01	0.25
Diphtheria	7.96	8.85	16.13	9.30	8.00	4.84	2.63	2.59	1.01	0.49
Bacillary Dysentery ...	0.84†	0.69†	0.68	1.15	0.55	1.88†	1.58†	1.29	1.77	0.74
Enteric } Typhoid Fever } Paratyphoid	1.51	1.45	1.28	1.14	1.17	2.95	2.10	1.81	1.26	1.48
Measles	13.84	4.04	2.11	1.29	0.68	175.67	12.10	5.43	3.28	0.99
Poliomyelitis	60.00	13.33	18.75	11.11	—	0.81	0.53	0.78	0.76	—
Tuberculosis	9.79	15.15	13.28	14.25	13.85	401.04	389.99	380.44	362.72	309.00

* Revised population estimates based on the results of 1971 census.

† Including unspecified dysentery.

TABLE 15

PRINCIPAL INFECTIOUS DISEASES BY AGE AND SEX 1971

CASES NOTIFIED

Age Group	Tuberculosis		Diphtheria		Enteric Fever		Poliomyelitis		B/Dysentery	
	M	F	M	F	M	F	M	F	M	F
0-4 ...	31	18	7	5	17	7	—	2	116	102
5-9 ...	24	32	3	4	35	45	—	—	46	44
10-14 ...	54	91	1	1	76	34	—	—	25	14
15-19 ...	564	398	—	3	58	49	—	—	14	8
20-24 ...	906	510	—	1	35	32	—	—	15	18
25-29 ...	545	179	—	—	14	10	—	—	13	3
30-34 ...	538	145	—	—	11	5	—	—	13	10
35-39 ...	607	167	—	—	18	7	—	—	5	11
40-44 ...	613	139	—	—	5	9	—	—	7	7
45-49 ...	595	145	—	—	4	13	—	—	8	8
50-54 ...	619	150	—	—	5	4	—	—	8	6
55-59 ...	547	121	—	—	3	1	—	—	—	2
60-64 ...	446	118	—	—	3	1	—	—	7	5
65-69 ...	238	92	—	—	1	2	—	—	4	4
70-74 ...	169	73	—	—	1	3	—	—	2	5
75 & Over	91	63	—	—	1	4	—	—	3	8
Unknown	—	—	—	—	2	—	—	—	1	1
Total ...	6,587	2,441	11	14	289	226	—	2	287	256

DEATHS

Age Group	Tuberculosis		Diphtheria		Enteric Fever		Poliomyelitis		B/Dysentery	
	M	F	M	F	M	F	M	F	M	F
0-4 ...	1	7	2	—	—	—	—	—	—	1
5-9 ...	—	—	—	—	—	—	—	—	—	—
10-14 ...	1	3	—	—	—	—	—	—	—	—
15-19 ...	2	5	—	—	1	—	—	—	—	—
20-24 ...	7	4	—	—	—	1	—	—	—	—
25-29 ...	12	3	—	—	—	—	—	—	—	—
30-34 ...	18	5	—	—	—	—	—	—	1	—
35-39 ...	38	11	—	—	1	—	—	—	—	—
40-44 ...	51	23	—	—	—	—	—	—	—	—
45-49 ...	89	18	—	—	—	—	—	—	—	—
50-54 ...	140	24	—	—	—	—	—	—	1	—
55-59 ...	159	27	—	—	—	—	—	—	—	—
60-64 ...	177	36	—	—	1	—	—	—	—	—
65-69 ...	122	29	—	—	—	1	—	—	—	—
70-74 ...	76	43	—	—	—	1	—	—	—	—
75 & Over	56	63	—	—	—	—	—	—	—	—
Unknown	—	—	—	—	—	—	—	—	—	—
Total ...	949	301	2	—	3	3	—	—	2	1

TABLE 16

PROPHYLACTIC IMMUNIZATIONS 1967-71

Immunological Procedure		1967	1968	1969	1970	1971
Anti-Smallpox Vaccination	...	575,869	767,541	550,092	553,714	536,374
Anti-Cholera Inoculation	...	1,318,991	1,385,272	2,506,348	1,715,249	388,109
Anti-Diphtheria Inoculations:						
1st Dose	...	341,632	335,128	339,428	329,279	278,595
2nd Dose	...	301,097	293,746	331,250	320,757	289,040
Booster Dose	...	175,359	181,735	169,085	167,579	159,650
Anti-Typhoid Inoculations:						
1st Dose	...	29,799	32,324	27,744	14,456	14,969
2nd Dose	...	12,793	14,417	10,191	4,126	5,389
Booster Dose	...	61,447	67,464	72,989	92,813	75,648
Anti-Tuberculosis (B.C.G.) Vaccinations:						
Infants	...	85,917	80,354	77,004	75,749	76,191
Others	...	28,274	33,895	18,232	51,576	54,380
Poliomyelitis Vaccinations:						
1st Dose	...	107,302	97,754	85,145	82,659	85,243
2nd Dose	...	90,880	82,939	74,949	71,671	77,400
Booster Dose*	...	—	—	—	—	10,792
Oral Poliovaccine Type I for Newborn		69,495	62,869	59,057	57,065	57,512
Anti Measles Vaccination†	...	—	83,107	33,504	28,611	30,306

* From October 1971.

† From end of December 1967.

TABLE 17

NUMBER OF CANCER DEATHS BY AGE AND SEX, 1971

A-List	Detailed List Number 1965 Revision	Cause Group	Sex	All Ages	0-9	10- 19	20- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65- 69	70- 74	75+	Unk.
A45	140-149	Malignant Neoplasm of Buccal Cavity and Pharynx ...	M F	295 105	1	1	15 3	11 3	23 10	59 14	53 9	45 16	41 20	26 13	11 2	5 6	4 9	—
A46	150	Malignant Neoplasm of Oesophagus ...	M F	150 69	—	—	—	1	4	8	14	26	25	25	23	15	9	—
A47	151	Malignant Neoplasm of Stomach ...	M F	233 145	—	—	—	1	9	13	20	25	46	34	33	29	23	—
A48	152, 153	Malignant Neoplasm of Intestine, except Rectum ...	M F	95 102	—	—	4	1	5	9	6	5	21	14	12	9	9	—
A49	154	Malignant Neoplasm of Rectum and Rectosigmoid Junction ...	M F	70 54	—	1	3	1	1	4	5	8	13	7	9	5	13	—
A50	161	Malignant Neoplasm of Larynx ...	M F	45 4	—	—	—	—	1	5	4	8	7	9	6	5	—	—
A51	162	Malignant Neoplasm of Trachea, Bronchus and Lung ...	M F	534 375	—	—	1	2	10	24	38	87	97	101	81	58	35	—
A52	170	Malignant Neoplasm of Bone ...	M F	8 12	—	1	1	1	—	1	1	1	1	1	—	—	—	—

TABLE 17—Contd.

A-List	Detailed List Number 1965 Revision	Cause Group	Sex	All Ages	0-9	10-19	20-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unk.
A53	172, 173	Malignant Neoplasm of Skin ...	M F	6 7	— —	— —	— —	1 1	— 1	— —	3 —	2 —	— —	— 1	— —	— 1	— 3	— —
A54	174	Malignant Neoplasm of Breast...	M F	1 170	— —	— —	1 —	— 2	— 7	— 10	— 25	— 33	1 23	— 23	— 17	— 11	— 18	— —
A55	180	Malignant Neoplasm of Cervix Uteri ...	F	157	—	—	—	2	4	23	24	32	19	16	16	13	8	—
A56	181, 182	Other Malignant Neoplasm of Uterus ...	F	36	—	—	1	1	2	3	3	6	6	7	4	1	2	—
A57	185	Malignant Neoplasm of Prostate	M	20	—	—	—	—	—	—	—	—	2	4	1	6	7	—
A58(a)	155	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts, Specified as Primary...	M F	573 156	1 2	— —	8 2	21 2	29 7	58 12	79 12	81 11	92 29	80 12	53 17	39 25	32 25	— —
(b)	156-160, 163, 171, 183, 184, 186-199	Malignant Neoplasm of Other and Unspecified Sites ...	M F	307 313	14 8	12 10	8 3	3 4	10 9	16 24	25 23	47 34	45 44	43 34	32 50	29 34	23 36	— —
A59	204-207	Leukaemia ...	M F	50 35	7 4	12 8	4 4	4 —	4 —	3 —	2 4	2 4	5 1	4 —	2 4	1 3	— 3	— —
A60	200-203, 208, 209	Other Neoplasm of Lymphatic and Haemotopoietic Tissue ...	M F	82 28	11 3	10 4	6 2	1 1	4 1	5 1	8 1	9 4	9 3	10 1	5 3	1 3	3 1	— —
A45-A60	140-209	All forms of Cancer ...	M F	2,469 1,768	34 17	37 27	50 18	48 22	100 58	205 109	258 136	346 209	405 238	358 213	268 229	202 232	158 260	— —

TABLE 18

MAIN CAUSES OF DEATH FROM CANCER IN HONG KONG, 1961-71

Cause Group (According to I.C.D. 1965 Revision)	1961		1962		1963		1964		1965		1966		1967		1968		1969		1970		1971	
	D	R	D	R	D	R	D	R	D	R	D	R	D	R	D	R	D	R	D	R	D	R
All Forms of Cancer (140-209) ...	2,280	72.0	2,488	75.3	2,697	78.8	2,916	83.2	3,155	87.7	3,249	89.5	3,380	90.8	3,582	94.2	3,839	99.4	3,964	100.1	4,237	104.7
Malignant Neoplasm of Nasopharynx (147) ...	235	7.4	272	8.2	286	8.4	278	7.9	321	8.9	320	8.8	336	9.0	357	9.4	376	9.7	393	9.9	346	8.6
Malignant Neoplasm of Oesophagus (150)	126	4.0	108	3.3	112	3.3	147	4.2	148	4.1	132	3.6	163	4.4	159	4.2	180	4.7	203	5.1	219	5.4
Malignant Neoplasm of Stomach (151) ...	284	9.0	307	9.3	298	8.7	361	10.3	378	10.5	366	10.1	314	8.4	342	9.0	414	10.7	360	9.1	378	9.3
Malignant Neoplasm of Intestine except Rectum (153) ...	100	3.2	113	3.4	96	2.8	123	3.5	130	3.6	151	4.2	171	4.6	170	4.5	185	4.8	172	4.3	185	4.6
Malignant Neoplasm of Liver and Intra- hepatic Bile Ducts, Specified as Primary (155) ...	*418	13.2	*470	14.2	*564	16.5	*537	15.3	*607	16.9	*589	16.2	*601	16.1	*647	17.0	626	16.2	635	16.0	729	18.0
Malignant Neoplasm Trachea, Bronchus and Lung (162) ...	†294	9.3	†329	10.0	†387	11.3	†449	12.8	†513	14.3	†551	15.2	†616	16.5	†638	16.8	787	20.4	786	19.9	909	22.5
Malignant Neoplasm of Breast (174) ...	111	3.5	104	3.1	120	3.5	138	3.9	145	4.0	135	3.7	125	3.4	147	3.9	134	3.5	159	4.0	171	4.2
Malignant Neoplasm of Cervix Uteri (180)	137	4.3	148	4.5	146	4.3	153	4.4	127	3.5	163	4.5	158	4.2	153	4.0	141	3.6	141	3.6	157	3.9

* Malignant Neoplasm of Biliary Passages and of Liver (155-156) according to I.C.D. 1955 Revision.
† Malignant Neoplasm of Trachea, Bronchus and Lung not specified as Secondary (162-163) according to I.C.D. 1955 Revision.
Note: D = Death.
R = Mortality Rate per 100,000 population using revised population estimates based on the results of 1971 Census.

TABLE 19

NEW CASES OF CANCER NOTIFIED TO THE CANCER REGISTRY BY AGE AND SEX, 1968

A-List	Detailed List Number 1965 Revision	Cause Group	Sex	All Ages	0-9	10- 19	20- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65- 69	70- 74	75+	Unk.
A45	140-149	Malignant Neoplasm of Buccal Cavity and Pharynx	M	503	—	6	28	37	63	74	84	74	66	30	21	9	8	3
			F	232	—	4	11	7	28	38	28	33	29	27	16	5	6	—
A46	150	Malignant Neoplasm of Oesophagus ...	M	132	—	—	—	—	5	7	14	25	26	18	23	3	3	8
			F	47	—	—	—	—	—	2	4	4	7	7	10	7	3	3
A47	151	Malignant Neoplasm of Stomach ...	M	201	—	—	—	4	8	14	30	28	42	32	24	9	4	6
			F	108	1	—	—	5	1	8	10	9	11	17	16	12	14	4
A48	152, 153	Malignant Neoplasm of Intestine, except Rectum	M	94	—	1	4	3	4	8	8	15	13	11	9	8	8	2
			F	88	1	—	1	—	4	3	14	11	10	14	13	9	6	2
A49	154	Malignant Neoplasm of Rectum and Rectosigmoid Junction ...	M	78	—	2	2	1	—	6	6	22	10	8	7	6	4	4
			F	66	1	—	2	4	5	4	3	10	11	6	7	6	5	2
A50	161	Malignant Neoplasm of Larynx ...	M	78	—	—	2	1	3	3	9	8	16	16	6	7	6	1
			F	9	—	1	—	—	—	1	1	3	2	1	—	—	—	—
A51	162	Malignant Neoplasm of Trachea, Bronchus and Lung	M	283	—	1	1	4	5	21	34	51	51	46	36	16	13	4
			F	197	—	—	—	—	3	10	9	25	36	37	34	17	22	4
A52	170	Malignant Neoplasm of Bone ...	M	18	1	3	5	1	—	1	—	2	3	1	1	—	—	—
			F	11	—	1	—	—	1	—	—	—	1	1	2	2	2	1

TABLE 19—Contd.

A-list	Detailed List Number 1965 Revision	Cause Group	Sex	All Ages	0-9	10- 19	20- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65- 69	70- 74	75+	Unk.
A53	172, 173	Malignant Neoplasm of Skin ...	M F	49 31	1 —	— —	— 2	— 1	1 1	7 4	3 3	9 5	11 2	5 4	3 4	1 4	3 —	5 1
A54	174	Malignant Neoplasm of Breast	M F	2 361	— —	— —	1 11	— 14	— 37	— 44	— 46	1 50	— 54	— 39	— 30	— 16	— 14	— 6
A55	180	Malignant Neoplasm of Cervix Uteri ...	F	440	—	—	5	18	46	65	76	75	54	52	24	11	8	6
A56	181, 182	Other Malignant Neoplasm of Uterus ...	F	104	—	1	5	5	4	14	12	17	22	8	5	6	4	1
A57	185	Malignant Neoplasm of Prostate	M	21	—	—	—	1	—	—	—	1	1	3	4	3	8	—
A58(a)	155	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts, Specified as Primary ...	M F	285 63	— 1	2 2	6 —	14 1	16 4	36 4	34 1	39 9	46 8	32 10	23 6	12 5	11 8	14 4
(b)	156-160, 163, 171, 183, 184, 186-199	Malignant Neoplasm of Other and Unspecified Sites ...	M F	514 515	24 18	19 12	33 14	14 17	38 36	43 51	55 58	71 56	58 64	58 65	44 44	28 34	20 34	9 12
A59	204-207	Leukaemia ...	M F	13 2	6 —	2 —	1 1	1 —	— —	— —	— —	— 1	1 —	1 —	— —	— —	— —	1 —
A60	200-203, 208, 209	Other Neoplasm of Lymphatic and Haematopoietic Tissue ...	M F	54 33	12 2	8 2	1 3	— 1	4 1	9 3	2 1	2 6	4 5	3 2	3 4	3 1	— —	3 2
A45- A60	140-209	All forms of Cancer ...	M F	2,325 2,307	44 24	44 23	84 55	81 73	147 171	229 251	279 266	348 314	348 316	264 290	204 215	105 135	88 126	60 48

TABLE 20

DEATHS FROM HEART DISEASES BY AGE AND SEX, 1971
(INCLUDING HYPERTENSIVE DISEASE)

A-List No.	Cause (With detailed list No.)	Sex	Age Group														
			All Ages	0-	10-	20-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	Unk.
A80	ACUTE RHEUMATIC FEVER (390-392) ...	M	2	—	1	—	—	1	—	—	—	—	—	—	—	—	—
	F	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
A81	Rheumatic fever with heart involvement (391) ...	M	2	—	1	—	—	—	—	—	—	—	—	—	—	—	—
	F	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
A81	CHRONIC RHEUMATIC HEART DISEASE (393-398) ...	M	117	1	19	13	3	10	7	12	15	13	15	4	3	2	—
	F	154	2	17	15	8	12	14	19	7	12	9	13	15	11	—	—
A82	Diseases of mitral valve (394) ...	M	29	—	1	—	3	4	—	3	6	3	5	2	1	1	—
	F	51	—	7	3	3	4	6	2	4	3	6	5	3	5	3	—
A82	HYPERTENSIVE DISEASE (400-404) ...	M	334	—	1	2	2	8	10	14	26	48	60	44	49	70	—
	F	313	—	1	2	—	3	9	13	20	20	20	36	57	41	111	—
A83	Hypertensive heart disease (402) ...	M	175	—	—	—	2	6	2	3	15	32	31	24	25	35	—
	F	156	—	—	—	—	—	1	4	4	8	9	18	31	21	60	—
A83	ISCHAEMIC HEART DISEASE (410-414) ...	M	578	1	1	1	2	4	9	22	58	71	102	91	93	123	—
	F	548	—	—	—	—	4	3	4	10	24	23	49	69	98	264	—
A83	Acute myocardial infarction (410) ...	M	281	—	1	1	—	—	2	6	13	34	60	48	36	42	—
	F	178	—	—	—	—	3	2	2	3	11	11	22	27	35	62	—
A83	Chronic ischaemic heart disease (412) ...	M	290	1	—	—	2	2	3	9	20	36	41	41	56	79	—
	F	360	—	—	—	—	—	1	2	6	12	12	26	42	60	199	—
A84	OTHER FORMS OF HEART DISEASE (420-429) ...	M	491	4	9	6	4	9	17	29	47	61	88	81	67	69	—
	F	414	4	5	2	2	8	6	7	23	34	34	47	55	76	145	—
A84	Pulmonary heart disease (426) ...	M	368	—	3	3	2	5	7	22	42	49	73	64	52	46	—
	F	279	—	1	1	1	3	3	4	18	27	33	42	56	90	—	—
A84	Symptomatic heart disease (427) ...	M	70	—	1	2	—	—	3	1	2	8	10	12	13	18	—
	F	96	3	3	—	—	4	1	1	3	5	12	8	12	44	—	—

TABLE 21

TUBERCULOSIS MORTALITY 1957 AND 1962-71

Year	Total Deaths from Tuberculosis	Tuberculosis Death Rate per 100,000 population	Tuberculosis Deaths as percentage of total deaths	Average age at death from Tuberculosis
1957	2,675	97.8	13.8	36
1962	1,881	56.9*	9.2	46
1963	1,762	51.5*	8.9	47
1964	1,441	41.1*	7.9	48
1965	1,278	35.5*	7.2	49
1966	1,515	41.7*	8.1	53
1967	1,493	40.1*	7.6	55
1968	1,483	39.0*	7.7	56.5
1969	1,470	38.0*	7.9	56
1970	1,436	36.3*	6.9	57.5
1971	1,250	30.9*	6.2	57.5

* Based on revised population estimates after 1971 Census.

TABLE 22

TUBERCULOSIS IN CHILDHOOD 1957 AND 1962-71

Year	Percentage of newborns receiving B.C.G.	Percentage of Tuberculosis deaths below 5 years	Percentage of Tuberculosis deaths under 1 year	Infantile Mortality from Tuberculosis (per 1,000 live Births)
1957	35.93	21.20	5.76	1.57
1962	81.59	5.74	1.43	0.24
1963	83.44	5.50	1.08	0.16
1964	86.40	4.09	0.90	0.12
1965	91.65	3.36	0.70	0.09
1966	90.22	2.71	0.73	0.12
1967	95.42	2.01	0.33	0.07
1968	94.23	1.15	0.20	0.04
1969	94.78	0.95	0.27	0.05
1970	95.33	0.63	0.00	0.00
1971	96.78	0.64	0.08	0.01

TABLE 23

TUBERCULOSIS NOTIFICATIONS 1957, 1962 AND 1967-71

Origin	1957	1962	1967	1968	1969	1970	1971
Govt. Chest Clinics ...	8,194	10,691	11,917	6,844	8,391	7,061	6,141
Other Govt. Inst. ...	2,517	1,680	1,167	688	482	494	524
Tung Wah Group ...	2,954	801	563	309	299	443	412
Other non-Govt. Inst. and Private Sources ...		1,091	1,606	1,951	1,900	2,079	1,951
Total ...	13,665	14,263	15,253	9,792	11,072	10,077	9,028
Notification rate per 100,000 population ...	499	432*	410*	258*	287*	255*	223*

* Based on revised population estimates after 1971 census.

TABLE 24

WORK OF GOVERNMENT CHEST SERVICE

GOVERNMENT CHEST CLINICS

1971

	Hong Kong	Kowloon	New Territories
Full-time Centres ...	Wan Chai Chest Clinic Sai Ying Pun Chest Clinic Shau Kei Wan Chest Clinic	Kowloon Chest Clinic Shek Kip Mei Chest Clinic Yau Ma Tei Chest Clinic	
Part-time Centre ...	Aberdeen J.C.C.	Robert Black Health Centre Kwun Tong Jockey Club Health Centre	Castle Peak Clinic Kam Tin Clinic Lady Trench Polyclinic Sai Kung Dispensary Sha Tin Clinic Shek Wu Hui J.C.C. St. John Hospital Tai Po J.C.C. Yuen Long Jockey Club Health Centre
Other Centres (for injections only)		Hung Hom Dispensary	Ho Tung Dispensary Peng Chau Clinic North Lamma Clinic Silver Mine Bay Dispensary Tai O Dispensary South Lantau Hospital Chi Wan Floating Dispensary Chi Hong Floating Dispensary

TABLE 24—*Contd.*

ATTENDANCES AT GOVERNMENT CHEST CLINICS, 1971

Total Attendances	...	...	...	...	...	...	1,657,332	
Total Patients attending, new and old	...	...	...	...	...	...	103,158	
Number of new patients	...	...	...	...	...	...	39,696	(100.0%)
Total with examination completed	...	...	...	...	...	...	38,648	(97.4%)
N.S.D.	...	...	...	...	...	...	18,546	(46.7%)
Disease other than T.B.	...	...	...	...	...	...	6,171	(15.6%)
Non-respiratory T.B.								
(a) Meninges	...	...	...	...	...	...	2	(0.0%)
(b) Bones and Joints	...	...	...	...	...	...	51	(0.1%)
(c) Others	...	...	...	...	...	...	89	(0.2%)
Respiratory T.B.								
(a) Not active and unknown activity	...	...	...	...	...	...	7,472	(18.9%)
(b) Active	...	...	...	...	...	...	6,317	(15.9%)
By bacteriology and extent								
Negative	A1	...	...	...	...	...	2,086	(5.3%)
	A2	...	...	...	...	...	810	(2.0%)
	A3	...	...	...	...	...	133	(0.3%)
Positive	B1	...	...	...	...	...	917	(2.3%)
	B2	...	...	...	...	...	1,171	(2.9%)
	B3	...	...	...	...	...	779	(2.0%)
Incomplete	O1	...	...	...	...	...	276	(0.7%)
	O2	...	...	...	...	...	107	(0.3%)
	O3	...	...	...	...	...	38	(0.1%)
By bact. and presence of cavity								
Negative	A Yes	...	...	...	...	...	266	(0.7%)
	A No	...	...	...	...	...	2,763	(7.0%)
Positive	B Yes	...	...	...	...	...	1,002	(2.5%)
	B No	...	...	...	...	...	1,865	(4.7%)
Incomplete	O Yes	...	...	...	...	...	57	(0.1%)
	O No	...	...	...	...	...	364	(0.9%)
By previous history and treatment								
No previous history of T.B.	...	...	...	...	...	...	4,712	(11.9%)
Previously diagnosed no treatment	...	...	...	...	...	...	185	(0.4%)
Previously diagnosed and treatment	...	...	...	...	...	...	1,419	(3.6%)
Previous history not known	...	...	...	...	...	...	1	(0.0%)

Remarks: Figures in brackets denote percentage of total new patients.

TABLE 25

X-RAY SURVEY 1961-71

Year	Government Servants		Conditional Survey		Prisoners Survey	
	Total Examined	% with Active T.B.	Total Examined	% with Active T.B.	Total Examined	% with Active T.B.
1961	45,617	0.88	26,809	1.17	9,735	4.98
1962	39,232	1.04	20,019	2.06	5,852	5.52
1963	51,180	0.55	41,905	0.86	4,994	4.60
1964	50,009	0.55	47,521	0.78	9,524	2.90
1965	57,893	0.64	44,271	0.71	5,876	3.94
1966	59,691	0.51	40,572	0.74	5,904	4.18
1967	31,096	0.71	56,826	0.56	4,997	3.58
1968	54,947	0.50	53,703	0.51	7,082	1.57
1969	41,925	0.75	50,233	0.53	7,107	1.31
1970	51,812	0.63	47,741	0.34	6,417	1.70
1971	48,247	0.45	49,821	0.39	8,543	0.75

TABLE 26

EXAMINATION OF NEW CONTACTS

1971

Number of patients listed	8,196
Number of contacts listed	22,587
(a) Number of children with negative tuberculin	1,502
Number of children given B.C.G.	1,499
(b) Number of contacts X-Rayed	12,934 (100.00%)
Results: N.S.D.	11,951 (92.40%)
Disease other than T.B.	358 (2.77%)
Respiratory T.B.	
Active A	84 (0.65%)
B	34 (0.26%)
O	8 (0.06%)
Not active	424 (3.28%)
Non-respiratory T.B.	0 (0 %)
Result not yet known	75 (0.58%)

TABLE 27

CLASSIFICATION OF ORTHOPAEDIC TUBERCULOSIS
OF NEW PATIENTS, BY SITE, 1967-71

Year	Site of Disease						TOTAL
	Spine	Hip Joint	Knee	Ankle	Femur	Others	
1967... ..	30	12	4	0	0	5	51
1968... ..	49	17	4	2	0	22	94
1969... ..	48	15	4	1	0	30	98
1970... ..	54	11	9	1	2	45	122
1971... ..	44	17	8	3	1	37	110

TABLE 28

MALARIA 1967-71

DISTRIBUTION OF CASES

(According to notified place of residence)

Year	Cases Notified	Deaths	Urban Controlled Areas	Sai Kung* District	Lantau* District	Tai Po* District	Other Areas
1967... ..	65	2	5	1	3	43	13
1968... ..	19	—	4	—	—	9	6
1969... ..	11	—	2	—	1	—	8‡
1970... ..	3	1†	1	—	—	—	2‡
1971... ..	9	—	2	—	—	—	7‡

* Including floating population.

† Case reported in 1969.

‡ Imported cases.

IDENTIFICATION OF PARASITES

Year	p. vivax	p. falciparum	p. malariae	Mixed infection	Species undetermined
1967... ..	56	5	2	1	1
1968... ..	14	—	3	—	2
1969... ..	3	4	4	—	—
1970... ..	2	—	1	—	—
1971... ..	6	2	1	—	—

TABLE 29

ANNUAL INCIDENCE AND TREND OF VENEREAL DISEASE 1962-71

	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
<i>Venereal Diseases</i>										
{ Total (Except Congenital) ... Primary ... Secondary ... Early Latent ... Late Latent ... All others ... Congenital { Under 1 year ... Over 1 year ... }	1,858 154 26 359 1,216 103 11 66	1,487 164 60 307 864 92 5 53	1,036 119 64 397 590 66 1 47	1,197 39 35 263 791 69 2 66	1,177 28 8 198 874 69 1 56	1,082 10 15 220 788 49 16 45	1,314 20 7 233 981 73 12 72	983 16 12 125 763 67 7 69	722 13 5 116 538 50 5 109	850 86 20 145 556 43 8 125
Gonorrhoea ...	5,747	5,696	5,008	5,096	6,353	7,344	7,375	6,331	6,470	7,198
Non-Gonococcal Urethritis...	453	379	496	578	629	648	659	613	608	687
Chancroid ...	356	347	268	254	105	53	286	862	387	442
Lymphogranuloma Venereum	8	16	8	8	11	5	23	130	62	165
Granuloma inguinale ...	0	0	0	0	0	0	0	1	1	0
<i>Other Diseases</i>										
Non-Venereal Disease ...	5,489	4,155	4,548	5,169	5,191	4,672	5,074	4,200	3,488	3,301
Skin Diseases ...	12,917	10,740	12,570	14,121	15,014	13,206	15,846	18,361	20,704	22,524
<i>Attendances at Clinics (All Types)</i>										
New Attendances ...	27,264	23,761	25,224	27,541	29,254	27,669	31,342	32,027	32,994	35,802
Total Attendances ...	179,135	147,588	143,381	147,311	161,994	170,532	209,916	221,882	208,319	196,371

TABLE 30

V.D.R.L. EXAMINATIONS IN EXPECTANT MOTHERS 1967-71

	1967	1968	1969	1970	1971
No. of tests (Clinics and Hospitals)...	55,012	47,552	50,952	52,382	54,462
% Positive	1.8	1.7	1.4	1.0	0.9
No of tests (Private Midwives) ...	3,577	3,208	2,625	1,797	2,361
% Positive	0.8	1.2	0.7	0.5	0.5

TABLE 31

LEPROSY 1971

INCIDENCE OF LEPROSY 1966-71

Year	New Cases	Rate per 100,000 population*
1966	163	4.5
1967	149	4.0
1968	160	4.2
1969	127	3.3
1970	135	3.4
1971	117	2.9

* Revised population estimates based on the results of 1971 census.

ANALYSIS OF CASES BY AGE 1971

Age Group	No. of Cases
Under 1	—
1 - 4	—
5 - 9	2
10 - 14	6
15 - 19	4
20 - 24	12
25 - 29	10
30 - 34	13
35 - 39	13
40 - 44	16
45 - 49	13
50 - 54	5
55 - 59	11
60 & Over	12
Total	117

ADMISSION TO LEPROSARIUM 1971

New admissions	42
Relapses	5
For surgery	38
Total	<u>85</u>

TABLE 32

ANALYSIS OF DERMATOLOGICAL CONDITIONS
PRESENTING AT CLINICS, 1971

Acne	305	Neurofibromatosis	5
Alopecia	157	Nevi (All types)	73
Angioedema	0	Pediculosis	4
Carcinoma	8	Pemphigus	12
Contact dermatitis	690	Paronychia	92
Dermatitis Exfoliative	6	Pityriasis Rosea	178
Dermatitis Herpetiformis	3	Pityriasis Alba	140
Dermatomyositis	4	Pruritus	332
Drug Eruption	77	Psoriasis	175
Eczema (All types)	6,617	Purpura	13
Epidermolysis Bullosa	0	Pyoderma	218
Erythema Multiforme	30	Raynaud's Phenomenoma	0
Erythema Nodosum	5	Rosacea	41
Granulomata	23	Scabies	396
Herpes Simplex	18	Scleroderma	1
Herpes Zoster	78	Tinea (All types)	1,294
Ichthyosis	27	T.B. Cutis	40
Keloid	34	Tumors, Benign	36
Keratosis (All types)	25	Ulcer, Varicose	49
Lichen Amyloidosis	18	Urticaria	590
Lichen Planus	8	Vasculitis	0
Light Sensitivity	5	Verruca	587
Lupus Erythematosus (All types)	39	Vitiligo	260
Miliaria	19	Xanthoma	30
Molluscum Contagiosum	24	Leprosy	61
Neurodermatitis	672	Miscellaneous	477
Total			13,996

TABLE 33

CULTURES FOR MYCOLOGICAL IDENTIFICATION, 1971

T. rubrum	146	Trichomycosis Axiliaris	—
T. mentagrophytes	7	T. tonsurans	1
M. canis	41	E. floccosum	6
T. versicolor	14	T. violaceum	3
M. ferrugineum	3	C. albicans	1
Total specimens examined			1,331

TABLE 34

WORK OF THE PORT HEALTH SERVICE—1971

INSPECTIONS

Immigration

		No. of Vessels	No. of Pas- sengers	No. of Crew	No. of Smallpox Vaccina- tions	No. of Cholera Inocula- tions	No. of pas- sengers under Sur- veillance
By Sea	Overseas ...	5,817	42,118	200,059	306	444	—
	Macau ...	*	1,589,442	302,950	155,672	—	—
	Junks etc. ...	9,670	10,713	115,013	63	—	—
By Air ...	...	23,433	1,202,555	232,590	3,136	791	51
By Train ...	...	*	442,439	—	22,276	12	—
Total ...	...	38,920	3,287,267	850,612	181,453	1,247	51

Emigration

By Sea	1	159	70	—	—	—
------------	-----	---	-----	----	---	---	---

* Number not recorded.

FUMIGATION

No. of ships fumigated ...	...	...	...	...	...	...	9
Total net tonnage ...	...	...	...	...	...	...	8,401.54
Cubic capacity (cubic feet) ...	...	...	...	...	...	...	979,641
Rats recovered ...	...	...	...	...	...	...	151
Exemptions granted ...	...	...	...	...	...	...	293
No. of ships disinfected and disinsected ...	...	...	...	...	...	...	3
No. of supervision of disinfecting aircraft ...	...	...	...	...	...	...	365

MEDICAL ASSISTANCE TO SHIPS

To ships at sea ...	...	...	...	...	...	...	50
To ships in port ...	...	...	...	...	...	...	29

TABLE 35

MIDWIFERY SERVICES 1970-71—1971-72

(Excluding Hospitals)

PRIVATE MIDWIFERY SERVICES

	1970-71	1971-72
Number of midwives in active practice	87	71
Number of registered maternity homes	56	48
Number of maternity beds	282	229
Maternity home deliveries*	15,028	11,972
Domiciliary deliveries*	86	27
Total deliveries*	15,114	11,999

GOVERNMENT MIDWIFERY SERVICES

	1970-71	1971-72
Maternity beds in maternity homes (Urban)	291	303
Maternity beds in maternity homes (Rural)	225	222
Midwives (excluding hospitals)	137	141
Cases attended (excluding hospitals)*	15,243	15,817
Average case-load for each midwife (excluding Hospitals)*	111	111

* Refers to calendar year.

TABLE 36

DISTRIBUTION OF M.C.H. CENTRES AT 31ST MARCH, 1972

District	Full-time Centres		Subsidiary Centres	
	No Midwifery Service attached	With Midwifery Service attached	No Midwifery Service attached	With Midwifery Service attached
Hong Kong ...	2	6	—	1
Kowloon ...	2	7	—	—
N.T. & Islands...	1	1	1	13
Total ...	5	14	1	14

TABLE 37

MATERNAL AND CHILD HEALTH SERVICES 1970-71

						1970	1971
No. of full-time centres	...	...	...	...	...	18	19
No. of subsidiary centres	...	...	...	...	...	11	15
<i>Ante-natal Sessions</i>							
Total Sessions	...	...	...	...	...	2,714	2,713
New attendances	...	...	...	...	...	20,725	21,745
Total attendances	...	...	...	...	...	119,388	125,982
Average attendance per session	...	...	...	...	...	43.99	46.44
Average attendance per person	...	...	...	...	...	5.76	5.79
<i>Post-natal Sessions</i>							
Total Sessions	...	...	...	...	...	898	907
New attendances	...	...	...	...	...	5,296	5,937
Total attendances	...	...	...	...	...	6,636	7,051
Percentage presenting with some abnormality	...	...	...	...	...	22.69 %	21.94 %
<i>Infant Welfare Sessions (0-2 years of age)</i>							
Total Sessions	...	...	...	...	...	6,243	6,521
New Attendances	...	...	...	...	...	69,073	73,068
Total attendances	...	...	...	...	...	811,529	870,920
<i>Toddler Welfare Sessions (2-5 years of age)</i>							
Total Sessions	...	...	...	...	...	1,379	1,429
New attendances	...	...	...	...	...	28,236	32,219
Total attendances	...	...	...	...	...	144,641	155,440
<i>Percentage presenting with some abnormality (0-5 years of age)</i>							
...	...	...	...	...	...	0.91 %*	0.85 %*
<i>Home Visits</i>	...	...	...	...	...	124,578	123,515

* New attendances only.

TABLE 38

SCHOOL MEDICAL SERVICE BOARD

NUMBER OF PARTICIPATING SCHOOLS, PUPILS AND DOCTORS AT 31ST MARCH, 1972

Districts	No. of Part. Schools	No. of Part. Pupils	No. of Part. Doctors
<i>Hong Kong</i>			
Wan Chai	30	945	8
Central and Sheung Wan ...	22	1,420	23
Western	47	1,561	8
Causeway Bay	30	2,627	9
North Point	32	2,070	8
Shau Kei Wan	23	927	6
Aberdeen	29	2,152	5
Sub-total	213	11,702	67
<i>Kowloon</i>			
Tsim Sha Tsui	8	555	8
Yau Ma Tei	23	2,102	19
Mong Kok	56	3,468	23
Cheung Sha Wan	27	1,852	8
Shek Kip Mei	29	1,404	6
Hung Hom and To Kwa Wan	24	1,508	8
San Po Kong	61	4,035	4
Kowloon Tong	4	77	2
Kai Tak	48	2,222	8
Kwun Tong	55	4,093	5
Sub-total	335	21,316	91
<i>New Territories</i>			
Tsuen Wan	32	1,765	8
Yuen Long	42	1,132	3
Sha Tin	7	214	1
Tai Po	12	289	2
Sheung Shui	15	442	1
Rennie's Mill	5	321	1
Sub-total	113	4,163	16
Grand Total	661	37,181	174

TABLE 39

WORK OF THE GENERAL DENTAL SERVICE 1967-71

Year	Attend- ances	Deciduous Teeth		Permanent Teeth		Persons rendered dentally fit
		Restored	Extracted	Restored	Extracted	
1967	258,399	21,836	30,257	100,312	38,941	23,475
1968	277,935	20,975	34,033	95,694	42,692	57,245
1969	276,847	19,648	32,454	93,961	42,634	60,670
1970	282,713	20,072	33,306	90,479	43,448	61,996
1971	264,874	17,026	31,574	85,059	44,901	57,006

TABLE 40

WORK OF THE FORENSIC PATHOLOGY LABORATORIES 1970-71

	1970	1971
Examination of victims and suspects	942	1,131
Attendance at scenes of crime	210	239
Attendance at courts	159	139
Medico-legal examination of weapons	159	197
Examination of hairs, fibres, etc.	1,719	1,859
Examination of clothing	1,219	1,609
Miscellaneous examination	376	422
Blood grouping (medico-legal)	3,181	3,863
Blood grouping (Police officers)	304	—
Lectures to Police Officers	40	33
Identification of nature of meat (dog, cat, etc.)	40	19
Chemical examinations of mortuary cases	8	24
Assistance in Raids:		
Breach of Pharmacy and Poisons Ordinance and Penicillin Ordinance	1	3
Abortionists	8	9

TABLE 41

WORK OF THE GOVERNMENT LABORATORY 1970 AND 1971

EXAMINATIONS

	1970	1971
I. <i>FOR GOVERNMENT</i>		
A. General Division:		
Dutiable Commodities Ordinance	8,228	9,726
Public Health and Urban Services Ordinance		
Food	1,193	2,348
Drugs	1	46
Dangerous Goods Ordinance	598	1,285
Pharmaceuticals	20	222
Imports and Exports (Prohibition) Regulations	8	1
Miscellaneous	1,597	2,000
B. Forensic Division:		
General	992	1,781
Pharmacy and Poisons Ordinance }	2,670	4,208
Antibiotics Ordinance		
Dangerous Drugs Ordinance	14,127	14,371
Toxicology	2,627	1,794
II. <i>FOR ARMED SERVICES</i>		
Total	17	22
Grand Total	32,078	37,804

TABLE 42

WORK OF MEDICAL & HEALTH DEPARTMENT
INSTITUTE OF PATHOLOGY
1970 & 1971

LABORATORIES

1. Clinical Laboratories	...	...	...	Sai Ying Pun Polyclinic Queen Elizabeth Hospital Kowloon Hospital Lai Chi Kok Hospital Castle Peak Hospital
2. Public Health Laboratories	...	...	...	Sai Ying Pun Polyclinic Kowloon Hospital
3. Virological Laboratory	...	...	...	Queen Mary Hospital
4. Vaccine Production	...	...	...	Old P.I. Caine Lane Laboratory
5. Blood Banks	...	...	...	Queen Mary Hospital Queen Elizabeth Hospital

Remarks: Clinical pathological services for Queen Mary Hospital are provided by the Department of Pathology, University of Hong Kong.

MORTUARIES

1. Victoria Public Mortuary
2. Kowloon Public Mortuary

SPECIMENS EXAMINED 1970 AND 1971

	1970	1971
1. Protozoology and Helminthology	38,908	42,747
2. (a) Haematology	361,657	410,095
(b) Blood grouping (Auxiliary Services)	946	1,486
3. Serology	128,479	129,890
4. Bacteriology	583,865	600,731
5. Mycology	17,942	17,618
6. Public Health...	83,604	38,731
7. Morbid Anatomy and Histopathology	45,304	52,632
8. Chemical-pathology	390,521	464,795
9. Clinical Pathology	68,846	82,599
10. Virology	5,309	9,728
11. Special investigations	886	1,223
12. Examination done in Blood Banks	180,790	206,834
13. Blood Products Preparation	—	689
Total	1,907,057	2,059,798

AUTOPSIES ON MEDICAL LEGAL CASES PERFORMED 1970 AND 1971

	1970	1971
Queen Mary Hospital	318	391
Queen Elizabeth Hospital	340	345
Total	658	736

TABLE 43

VACCINE PRODUCTION 1970-71

(in millilitres)

Vaccine	Prepared		Issued	
	1970	1971	1970	1971
Anti-Smallpox	40,110	35,840	34,701	36,670
Anti-Rabies (2%)	40,500	28,200	32,350	29,800
Anti-Rabies (4%)	36,900	23,100	33,200	27,200
T.A.B.	204,000	71,450	153,200	74,100
Anti-cholera	2,276,250	—	1,101,650	643,000
Anti-Plague	—	10,150	2,100	3,800
Autogenous Vaccine	—	20	—	—

TABLE 44

BLOOD BANKS 1971

1. BLOOD RECEIVED

	Q.M.H.	Q.E.H.	TOTAL
From:			
British Red Cross	13,483	14,483	27,966
Patients' relative and friends	241	131	374
Other donors	75	56	131
Brought forward from previous year ...	148	158	306
Total	13,947	14,828	28,775

2. BLOOD DISTRIBUTED

To:			
Government hospitals	8,922	11,776	20,698
Govt.-assisted hospitals	2,790	2,155	4,945
Private hospitals	1,498	389	1,887
Military hospitals	50	—	50
Other non-government Institutions ...	—	6	6
Unusable due to various causes ...	618	467	1,085
Stock in hand at end of year	69	35	104
Total	13,947	14,828	28,775

TABLE 45

WORK OF PUBLIC MORTUARIES 1970-71

	Victoria		Kowloon	
	1970	1971	1970	1971
Total number of bodies received ...	938	1,102	2,645	2,593
Total number of autopsies performed ...	684	897	806	777
Number of bodies claimed for burial ...	825	983	2,140	2,141
Number of bodies unclaimed for burial ...	113	119	505	452
Deaths due to natural causes ...	641	708	2,024	1,834
Deaths due to unnatural causes ...	297	394	621	759

TABLE 46

WORK OF INDUSTRIAL HEALTH SECTION 1971

MONITORING AND SURVEY WORK

	Numbers
1. Atmospheric samples:	
(a) Ammonia ...	8
(b) Benzene ...	2
(c) Carbon dioxide ...	5
(d) Carbon monoxide ...	21
(e) Chromic acid ...	2
(f) Dust ...	81
(g) Ether ...	2
(h) Lead ...	2
(i) Metnvl Ethyl Ketone ...	3
(j) Nitrogen dioxide ...	12
(k) Oxygen ...	2
(l) Smoke ...	1,166
(m) Styrene ...	5
(n) Sulphuric acid ...	1
(o) Sulphur dioxide ...	1,151
(p) Sulphur trioxide ...	484
(q) Toluene ...	2
(r) Trichloroethylene ...	31
(s) Xylene ...	4
	2,984

TABLE 46—*Contd.*

										Numbers
2.	Miscellaneous analysis:									
	(a)	Silica	...	...	...	...	...	...	...	3
	(b)	Lead	...	...	...	...	...	...	...	3
										6
3.	Ventilation survey:									
	(a)	Air velocity	...	...	...	...	...	...	...	61
	(b)	Effective temperature	...	...	...	...	...	...	...	61
	(c)	Radiant heat	...	...	...	...	...	...	...	14
	(d)	Relative humidity	...	...	...	...	...	...	...	61
										197
4.	Miscellaneous measurements:									
	(a)	Capture velocity	...	...	...	...	...	...	...	26
	(b)	Lighting	...	...	...	...	...	...	...	65
	(c)	Noise	...	...	...	...	...	...	...	77
	(d)	Radiation	...	...	...	...	...	...	...	15
										183
5.	Urinalysis:									
	(a)	Coproporphyrin in urine	...	...	...	...	...	...	...	7
	(b)	Fluoride in urine	...	...	...	...	...	...	...	128
	(c)	Glucose in urine	...	...	...	...	...	...	...	80
	(d)	Proteins in urine	...	...	...	...	...	...	...	80
										295
6.	Blood examinations:									
	(a)	Haemoglobin estimations	...	...	...	...	...	...	...	7
	(b)	Red blood cell counts	...	...	...	...	...	...	...	7
										14
7.	Clinical examinations:									
	(a)	Divers	...	...	...	...	...	...	...	80
	(b)	Radiation workers	...	...	...	...	...	...	...	239
										319

WORKMEN'S COMPENSATION CASE WORK

	1967	1968	1969	1970	1971
Total No. of interviews	21,957	33,571	43,738	63,403	63,988
Number of visits	1,532	1,437	789	161	39
Cases assessed by I.H.O.	489	607	580	234	250
Cases assessed at Medical Boards ...	4,030	4,456	4,868	6,192	6,731

NUMBER OF HOSPITAL BEDS IN HONG KONG, 1971

Classification of Beds		Medical	Surgical	Ophthalmic	E.N.T.	Gynaecology	Maternity	Paediatric & Babies	Tuberculosis	Leprosy	Psychiatric	Chronic, Rehabilitation & Convalescent	Custodial, Casualty & Observation	Infectious	Radiotherapy	Others	TOTAL
Institutions																	
HONG KONG																	
(A) GOVERNMENT INSTITUTIONS																	
Queen Mary Hospital	...	278	402	10	10	90	73	112	—	—	—	—	26	—	17	110	1,128
Sai Ying Pun Hospital	...	—	—	—	—	—	—	—	—	—	—	—	86	88	—	—	88
Stanley Prison Hospital	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86
Tang Shiu Kin Hospital	...	—	40	—	—	—	36	—	—	—	—	—	—	—	—	—	76
Tsan Yuk Hospital	...	—	—	—	—	—	250	51	—	—	—	—	—	—	—	—	301
Victoria Reception Centre	...	—	—	—	—	—	—	—	—	—	—	—	99	—	—	—	99
Govt. Clinics and Maternity Homes	...	—	—	—	—	—	98	—	—	—	—	—	—	—	—	—	98
(B) GOVERNMENT-ASSISTED INSTITUTIONS																	
Alice Ho Miu Ling Nethersole Hosp.	...	98	108	—	—	65	61	8	—	—	—	—	—	—	—	16	356
Duchess of Kent Children's Orthop. Hosp. and Convalescent Home	...	—	100	—	—	—	—	—	—	—	—	100	—	—	—	—	200
Grantham Hospital	...	—	124	—	—	—	—	—	410	—	—	70	—	—	—	8	612
Nam Long Hospital	...	—	—	—	—	—	—	—	360	—	—	120	—	—	—	—	120
Ruttonjee Sanatorium	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	360
Sandy Bay Convalescent Hospital	...	71	127	—	—	10	—	33	—	—	—	233	—	—	28	1	503
Tung Wah Hospital	...	257	51	8	8	25	25	43	18	—	—	—	—	—	—	—	435
Tung Wah Eastern Hospital	...	141	26	4	6	12	48	49	48	—	—	—	4	—	—	—	338
(C) PRIVATE INSTITUTIONS																	
Canossa Hospital	...	71	72	—	—	—	20	—	17	—	—	—	—	—	—	—	180
Hong Kong Adventist Sanatorium and Hospital	...	18	19	—	—	—	31	4	—	—	—	—	—	—	—	—	72
Hong Kong Central Hospital	...	37	37	—	—	9	14	6	10	—	—	—	—	—	—	7	120
Hong Kong Sanatorium and Hospital	...	120	115	5	10	10	65	46	6	—	4	6	—	—	3	—	390
Matilda and War Memorial Hospital	...	40	—	—	—	—	8	4	—	—	—	—	—	—	—	—	52
St. Paul's Hospital	...	175	29	—	—	—	26	52	—	—	—	—	1	—	—	—	283
Private Nursing and Maternity Homes	...	—	—	—	—	—	30	—	—	—	—	—	—	—	—	—	30
TOTAL (Hong Kong)		1,306	1,250	27	34	221	785	408	869	—	4	529	216	88	48	142	5,927

TABLE 47—Contd.

Classification of Beds		Medical	Surgical	Ophthalmic	E.N.T.	Gynaecology	Maternity	Paediatric & Babies	Tuberculosis	Leprosy	Psychiatric	Chronic, Rehabilitation & Convalescent	Custodial, Casualty & Observation	Infectious	Radiotherapy	Others	TOTAL
Institutions																	
KOWLOON																	
(A) GOVERNMENT INSTITUTIONS																	
Kowloon Hospital	...	205	560	9	—	66	—	32	104	—	67	—	—	173	—	—	1,043
Lai Chi Kok Hospital	...	35	229	—	—	26	—	29	—	—	—	—	—	—	—	—	492
Queen Elizabeth Hospital	...	277	555	18	23	72	190	263	—	—	—	—	28	—	88	82	1,596
Government Clinics and Maternity Homes	...	—	—	—	—	—	154	—	—	—	—	—	7	—	—	—	161
(B) GOVERNMENT-ASSISTED INSTITUTIONS																	
Caritas Medical Centre	...	166	76	6	12	105	108	125	160	—	—	120	—	—	—	20	898
Hong Kong Buddhist Hospital	...	71	71	—	—	—	—	—	—	—	—	—	—	—	—	45	187
Kwong Wah Hospital	...	384	399	8	13	104	303	201	—	—	—	—	10	—	—	130	1,552
Margaret Trench Medical Rehabilitation Centre	...	—	—	—	—	—	—	—	—	—	—	80	—	—	—	—	80
Our Lady of Maryknoll Hospital	...	106	51	—	—	16	30	61	—	—	—	—	—	—	—	—	264
Wong Tai Sin Infirmary	...	346	116	—	2	22	—	—	185	—	—	—	—	—	—	10	681
(C) PRIVATE INSTITUTIONS																	
Baptist Hospital	...	47	26	5	6	6	16	6	—	—	—	—	—	—	—	—	112
Evangel Medical Centre	...	28	7	—	—	—	13	2	—	—	—	—	—	—	—	—	50
Precious Blood Hospital	...	50	28	—	—	—	15	7	15	—	—	—	—	—	—	—	115
St. Teresa's Hospital	...	149	124	6	12	20	44	34	11	—	—	—	—	—	—	—	400
Private Nursing and Maternity Homes	...	16	—	—	—	—	206	—	—	—	—	—	—	—	—	—	222
TOTAL (Kowloon) ...		1,880	2,242	52	68	437	1,079	760	475	—	67	200	45	173	88	287	7,853

TABLE 47—Contd.

Classification of Beds		Medical	Surgical	Ophthalmic	E.N.T.	Gynaecology	Maternity	Paediatric & Babies	Tuberculosis	Leprosy	Psychiatric	Chronic, Rehabilitation & Convalescent	Custodial, Casualty & Observation	Infectious	Radiotherapy	Others	TOTAL
Institutions																	
NEW TERRITORIES																	
(A) GOVERNMENT INSTITUTIONS																	
Castle Peak Hospital	...	—	—	—	—	—	—	—	—	—	1,242	—	—	—	—	—	1,242
Chi Ma Wan Prison Hospital	...	—	—	—	—	—	—	—	—	—	—	—	10	—	—	—	10
St. John Hospital	...	79	—	—	—	—	15	—	6	—	—	—	—	—	—	—	100
South Lantau Hospital	...	8	—	—	—	—	4	3	—	—	—	—	—	—	—	—	15
Tai Lam Addiction Treatment Centre	...	—	—	—	—	—	—	—	—	—	—	—	24	—	—	—	24
Tai Lam Centre for Women	...	—	—	—	—	—	—	—	—	—	—	—	28	—	—	—	28
Tong Fuk Prison Hospital	...	—	—	—	—	—	—	—	—	—	—	—	36	—	—	—	36
Government Clinics and Maternity Homes	...	6	—	—	—	—	199	—	—	—	—	—	21	—	—	—	226
(B) GOVERNMENT-ASSISTED INSTITUTIONS																	
Fanling Hospital	...	22	10	—	—	—	*4	14	7	—	—	—	—	—	—	1	54
Haven of Hope T.B. Sanatorium	...	—	—	—	—	—	—	—	310	—	—	—	*8	—	—	—	322
Hay Ling Chau Leprosarium	...	—	—	—	—	—	—	—	—	540	—	—	—	—	—	—	540
Pok Oi Hospital	...	78	—	—	—	—	32	52	—	—	—	—	—	—	—	—	162
(C) PRIVATE INSTITUTIONS																	
Adventist Sanitarium and Hospital	...	45	36	—	—	—	21	6	—	—	—	—	4	—	—	—	114
Private Nursing and Maternity Homes	...	—	—	—	—	—	36	—	—	—	—	—	—	—	—	—	36
TOTAL (New Territories)	...	238	46	—	—	—	311	77	323	540	1,242	—	131	—	—	1	2,909
Government Institutions	...	888	1,786	37	33	254	1,019	490	110	—	1,309	—	365	261	105	192	6,849
Government-Assisted Institutions	...	1,740	1,259	26	41	359	611	586	1,498	540	—	723	22	—	28	231	7,664
Private Institutions	...	796	493	16	28	45	545	169	59	—	4	6	5	—	3	7	2,176
GRAND TOTAL (Colony)	...	3,424	3,538	79	102	658	2,175	1,245	1,667	540	1,313	729	392	261	136	430	16,689

* Beds in Rennie's Mill Church Clinic.

TABLE 48

IN-PATIENTS TREATED IN GOVERNMENT, GOVERNMENT-ASSISTED AND PRIVATE HOSPITALS,
CLINICS AND MATERNITY HOMES, 1971

	In-patients Discharged						Deaths					Total In-patients Treated
	General	Infectious	Tuberculosis	Maternity	Psychiatric	Total	General	Infectious	Tuberculosis	Maternity	Psychiatric		Total
HONG KONG												
(A) GOVERNMENT INSTITUTIONS												
Queen Mary Hospital ...	31,221	253	363	2,850	80	34,767	1,942	25	24	1	—	1,992
Sai Ying Pun Hospital ...	486	1,208	7	2	4	1,707	11	11	—	—	—	22
Stanley Prison Hospital ...	1,027	62	122	—	30	1,241	5	—	—	—	—	5
Tang Shiu Kin Hospital ...	3,529	17	7	1,007	43	4,603	28	—	1	—	—	29
Tsan Yuk Hospital ...	688	—	—	8,079	—	8,767	59	—	—	—	—	59
Victoria Reception Centre	407	6	13	—	3,221	3,647	6	—	2	—	—	8
Government Clinics & Maternity Homes ...	—	—	—	1,876	—	1,876	—	—	—	—	—	—
(B) GOVERNMENT-ASSISTED INSTITUTIONS												
Alice Ho Miu Ling Nethersole Hospital ...	7,093	251	96	5,341	18	12,799	273	4	—	1	—	278
Dutchess of Kent Children's Orthopaedic Hospital & Convalescent Home ...	355	279	75	—	65	774	—	—	—	—	—	—
Grantham Hospital ...	1,575	3	1,089	—	5	2,672	134	—	58	—	—	192
Nam Long Hospital ...	60	—	—	—	—	60	304	—	—	—	—	304
Ruttonjee Sanatorium ...	319	—	1,068	—	1	1,388	41	—	66	—	—	107
Sandy Bay Convalescent Hospital ...	3,166	6	48	2	4	3,226	319	1	—	—	—	320
Tung Wah Hospital ...	2,505	84	45	1,017	12	3,663	345	1	30	—	2	378
Tung Wah Eastern Hospital ...	1,183	13	56	857	2	2,111	226	—	29	—	—	255
(C) PRIVATE INSTITUTIONS												
Canossa Hospital ...	3,889	3	3	389	—	4,284	67	—	1	—	—	68
Hong Kong Central Hospital ...	3,319	3	2	208	57	3,589	136	—	—	—	—	136
Hong Kong Adventist Sanatorium & Hospital ...	249	18	3	17	6	293	5	—	—	—	—	5
Hong Kong Sanatorium & Hospital ...	9,933	611	138	4,054	247	14,983	429	2	3	—	—	434
Matilda & War Memorial Hospital ...	823	—	—	129	8	960	5	—	—	—	—	5
St. Paul's Hospital ...	5,957	190	130	798	90	7,165	176	4	8	—	—	188
Private Nursing & Maternity Homes ...	—	—	—	941	—	941	—	—	—	—	—	—
TOTAL (Hong Kong) ...	77,784	3,007	3,265	27,567	3,893	115,516	4,511	48	222	2	2	4,785
												120,301

TABLE 48—Contd.

	In-patients Discharged					Deaths					Total In-patients Treated	
	General	In-fectious	Tuber-culosis	Mater-nity	Psy-chiatric	Total	General	In-fectious	Tuber-culosis	Mater-nity		Psy-chiatric	Total
KOWLOON												
(A) GOVERNMENT INSTITUTIONS												
Kowloon Hospital	6,817	114	399	186	160	7,676	99	1	6	—	—	106
Lai Chi Kok Hospital	835	1,030	3	1	1	1,870	11	17	3	—	1	32
Queen Elizabeth Hospital	66,863	2,456	1,294	14,583	224	85,420	3,082	64	97	3	1	3,247
Government Clinics & Maternity Homes	—	—	—	6,350	—	6,350	—	—	—	—	—	—
...												6,350
(B) GOVERNMENT-ASSISTED INSTITUTIONS												
Caritas Medical Centre	5,322	162	381	2,720	16	8,601	655	1	29	—	—	685
Hong Kong Buddhist Hospital	1,464	40	62	25	31	1,622	149	3	9	—	—	161
Kwong Wah Hospital	27,366	515	1,286	19,402	107	48,676	3,382	33	178	2	—	3,595
Margret Trench Medical Rehabilitation Centre	354	8	5	—	—	367	—	—	—	—	—	—
Our Lady of Maryknoll Hospital	3,538	294	76	2,354	70	6,332	286	7	14	1	—	308
Wong Tai Sin Infirmary	254	—	1,086	—	—	1,340	513	2	179	—	—	694
...												9,286
...												1,783
...												52,271
...												367
...												6,640
...												2,034
(C) PRIVATE INSTITUTIONS												
Baptish Hospital	2,680	—	—	530	—	3,210	92	—	—	—	—	92
Evangel Medical Centre	1,365	36	18	807	16	2,242	43	—	1	1	—	45
Precious Blood Hospital	1,989	26	59	712	12	2,798	112	—	3	—	—	115
St. Teresa's Hospital	9,378	76	155	1,519	106	11,234	346	1	14	—	—	361
Private Nursing & Maternity Homes	—	—	—	9,617	—	9,617	—	—	—	—	—	—
...												9,617
...												3,302
...												2,287
...												2,913
...												11,595
...												206,796
TOTAL (Kowloon)	128,225	4,757	4,824	58,806	743	197,355	8,770	129	533	7	2	9,441

TABLE 48—Contd.

	In-patients Discharged						Deaths						Total In-patients Treated
	General	Infectious	Tuberculosis	Maternity	Psychiatric	Total	General	Infectious	Tuberculosis	Maternity	Psychiatric	Total	
NEW TERRITORIES													
(A) GOVERNMENT INSTITUTIONS													
Castle Peak Hospital ...	110	24	—	—	3,649	3,783	69	4	5	—	4	82	3,865
Chi Ma Wan Prison Hospital ...	384	—	3	—	—	387	—	—	—	—	—	—	387
St. John Hospital ...	673	11	48	303	6	1,041	29	—	6	—	—	35	1,076
South Lantau Hospital ...	132	19	1	34	—	186	—	—	—	—	—	—	186
Tai Lam Addiction Treatment Centre ...	397	—	20	—	46	463	—	—	—	—	—	—	463
Tai Lam Centre for Women ...	106	2	3	2	99	212	—	—	—	—	—	—	212
Tong Fuk Prison Hospital ...	249	23	1	—	36	309	1	—	—	—	—	1	310
Government Clinics & Maternity Homes ...	—	—	—	7,847	—	7,847	—	—	—	—	—	—	7,847
(B) GOVERNMENT-ASSISTED INSTITUTIONS													
Fanling Hospital ...	441	36	41	15	15	548	31	—	7	—	—	38	586
Haven of Hope T.B. Sanatorium ...	264	34	524	53	8	883	4	—	30	—	—	34	917
Hay Ling Chau Leprosarium ...	—	125	—	—	—	125	7	1	—	—	—	8	133
Pok Oi Hospital ...	1,960	219	92	1,249	—	3,520	213	—	15	—	—	228	3,748
(C) PRIVATE INSTITUTIONS													
Adventist Sanitarium & Hospital ...	2,259	281	89	890	64	3,583	79	5	3	—	—	87	3,670
Private Nursing & Maternity Homes ...	—	—	—	1,521	—	1,521	—	—	—	—	—	—	1,521
TOTAL (New Territories)	6,975	774	822	11,914	3,923	24,408	433	10	66	—	4	513	24,921
GOVERNMENT INSTITUTIONS ...													
GOVERNMENT-ASSISTED INSTITUTIONS ...	113,924	5,225	2,284	43,120	7,599	172,152	5,342	122	144	4	6	5,618	177,770
PRIVATE INSTITUTIONS ...	57,219	2,069	6,030	33,035	354	98,707	6,882	53	644	4	2	7,585	106,292
	41,841	1,244	597	22,132	606	66,420	1,490	12	33	1	—	1,536	67,956
GRAND TOTAL	212,984	8,538	8,911	98,287	8,559	337,279	13,714	187	821	9	8	14,739	352,018

TABLE 49

DISEASE CLASSIFICATION OF IN-PATIENTS TREATED IN GOVERNMENT AND GOVERNMENT-ASSISTED HOSPITALS AND OF ALL DEATHS IN THE COLONY 1971
(Patients treated in maternity homes are excluded)

Inter-mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths		
			Government Hospitals	Government Assisted Hospitals	Government Hospitals	Government Assisted Hospitals	Male	Female	Sex Un-known
A 1	000	Cholera ...	—	—	—	—	—	—	—
A 2	001	Typhoid fever ...	438	107	5	1	3	—	—
A 3	002, 003	Paratyphoid fever and other salmonella infections ...	47	12	—	—	—	—	—
A 4(a)	004	Bacillary dysentery ...	478	61	3	—	2	1	—
A 4(b)	006	Amoebiasis... ..	54	9	—	—	3	1	—
A 5	008, 009	Enteritis and other diarrhoeal diseases ...	2,332	622	3	3	6	—	—
A 6	010-012	Tuberculosis of respiratory system	1,700	5,559	125	613	914	272	—
A 7	013	Tuberculosis of meninges and central nervous system ...	68	45	9	14	13	10	—
A 8	014	Tuberculosis of intestines, peritoneum and mesenteric glands ...	30	18	1	3	2	3	—
A 9	015	Tuberculosis of bones and joints...	264	219	—	3	6	2	—
A 10	016-019	Other tuberculosis, including late effects ...	222	189	9	11	14	14	—
A 11	020	Plague ...	—	—	—	—	—	—	—
A 12	022	Anthrax ...	—	—	—	—	—	—	—
A 13	023	Brucellosis ...	—	—	—	—	—	—	—
A 14	030	Leprosy ...	19	130	—	—	—	—	—
A 15	032	Diphtheria ...	30	2	2	—	2	—	—
Carried forward ...			5,682	6,973	157	648	965	306	—
									1,271

TABLE 49—Contd.

Inter- mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths			
			Govern- ment Hospitals	Govern- ment Assisted Hospitals	Govern- ment Hospitals	Govern- ment Assisted Hospitals	Whole Colony			Total
							Male	Female	Sex Un- known	
		<i>Brought forward</i> ...	5,682	6,973	157	648	965	306	—	1,271
A 16	033	Whooping cough ...	1	2	—	—	—	—	—	—
A 17	034	Streptococcal sore throat and scarlet fever ...	7	21	—	—	—	—	—	—
A 18	035	Erysipelas ...	1	—	—	—	—	—	—	—
A 19	036	Meningococcal infection ...	2	2	—	1	1	—	—	1
A 20	037	Tetanus ...	36	3	23	6	25	8	—	33
A 21(a)	005	Food poisoning (bacterial)	66	12	—	—	—	—	—	—
(b)	038	Septicaemia ...	26	55	72	28	61	48	—	109
(c)	007, 021, 024-027, 031, 039	} Other bacterial diseases ...	6	19	1	—	1	—	—	1
A 22	040-043		21	—	—	—	—	—	—	—
A 23	044	Acute poliomyelitis	70	284	—	—	—	—	—	—
A 24	050	Late effects of acute poliomyelitis ...	—	—	—	—	—	—	—	—
A 25	055	Smallpox ...	374	139	2	—	2	2	—	4
A 26	060	Measles ...	—	—	—	—	—	—	—	—
A 27(a)	062	Yellow fever ...	—	—	—	—	—	—	—	—
(b)	063	Mosquito-borne viral encephalitis ...	—	1	—	—	—	—	—	—
(c)	064	Tick-borne viral encephalitis	—	—	—	—	—	—	—	—
(d)	065	Viral encephalitis 'transmitted' by other arthropods ...	—	—	—	—	—	—	—	—
		Viral encephalitis unspecified	—	3	—	1	—	2	—	2
		<i>Carried forward</i> ...	6,292	7,514	255	684	1,055	366	—	1,421

TABLE 49—Contd.

Inter- mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths			
			Govern- ment Hospitals	Govern- ment Assisted Hospitals	Govern- ment Hospitals	Govern- ment Assisted Hospitals	Whole Colony			Total
							Male	Female	Sex Un- known	
		<i>Brought forward</i> ...	6,292	7,514	255	684	1,055	366	—	1,421
A 28	070	Infectious hepatitis	832	180	8	7	13	3	—	16
A 29(a)	052	Chickenpox	112	26	—	—	—	—	—	—
(b)	061	Dengue	—	—	—	—	—	—	—	—
(c)	045, 046, 051, 053, 054, 056, 057, 066-068, 071-079	} Other viral diseases	146	188	—	1	1	—	—	1
	080		—	—	—	—	—	—	—	—
A 30(a)	081		—	—	—	—	—	—	—	—
(b)	082		—	—	—	—	—	—	—	—
(c)	083	Epidemic louse-borne typhus	—	—	—	—	—	—	—	—
(d)	084	Other typhus	—	—	—	—	—	—	—	—
A 31	086, 087	Tick-borne rickettsiosis	—	—	—	—	—	—	—	—
A 32	088	Other rickettsiosis	—	2	—	—	—	—	—	—
A 33	090	Malaria	—	—	—	—	—	—	—	—
A 34	091	Trypanosomiasis	—	—	—	—	—	—	—	—
A 35	094	Relapsing fever	—	3	—	1	—	1	—	1
A 36		Congenital syphilis	1	2	—	—	—	—	—	—
		Early syphilis, symptomatic	31	6	3	2	5	—	—	5
		Syphilis of central nervous system	6	3	—	1	12	2	—	14
A 37	092, 093, 095-097	} Other syphilis	3	2	—	—	—	—	—	—
A 38	098	Gonococcal infections	—	—	—	—	—	—	—	—
		<i>Carried forward</i> ...	7,423	7,926	266	696	1,086	372	—	1,458

TABLE 49—Contd.

Inter-mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths		
			Government Hospitals	Government Assisted Hospitals	Government Hospitals	Government Assisted Hospitals	Male	Female	Sex Un-known Total
		<i>Brought forward</i> ...	7,423	7,926	266	696	1,086	372	1,458
A 39(a)	120.0	Schistosomiasis vesical (S. haematobium)	—	—	—	—	—	—	—
(b)	120.1	Schistosomiasis intestinal (S. mansoni)	—	—	—	—	—	—	—
(c)	120.2	Schistosomiasis pulmonary (S. japonicum)	—	—	—	—	—	—	—
(d)	120.3, 120.8, 120.9	Other and unspecified schistosomiasis	2	1	—	—	—	—	—
A 40	122	Hydatidosis	1	1	—	—	—	—	—
A 41	125	Filarial infection	3	2	—	—	—	—	—
A 42	126	Ancylostomiasis	—	1	—	—	—	—	—
A 43	121, 123, 124, 127-129	Other helminthiasis	15	33	—	—	—	—	—
A 44(a)	100	Leptospirosis	—	—	—	—	—	—	—
(b)	102	Yaws	—	—	—	—	—	—	—
(c)	110	Dermatophytosis	1	—	—	—	—	—	—
(d)	085, 089, 099, 101, 103, 104, 111-117, 130-136	All other infective and parasitic diseases	64	115	—	1	1	—	1
		<i>Carried forward</i> ...	7,509	8,079	266	697	1,087	372	1,459

TABLE 49—Contd.

Inter-mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths		
			Government Hospitals	Government Assisted Hospitals	Government Hospitals	Government Assisted Hospitals	Whole Colony		
							Male	Female	Sex Un-known Total
		<i>Brought forward ...</i>	7,509	8,079	266	697	1,087	372	— 1,459
A 45	140-149	Malignant neoplasm of buccal cavity and pharynx ...	826	259	115	210	295	105	— 400
A 46	150	Malignant neoplasm of oesophagus ...	346	164	86	56	150	69	— 219
A 47	151	Malignant neoplasm of stomach...	341	195	67	156	233	145	— 378
A 48	152, 153	Malignant neoplasm of intestine, except rectum ...	227	180	37	76	95	102	— 197
A 49	154	Malignant neoplasm of rectum and rectosigmoid junction ...	256	144	17	64	70	54	— 124
A 50	161	Malignant neoplasm of larynx ...	145	45	19	20	45	4	— 49
A 51	162	Malignant neoplasm of trachea, bronchus and lung ...	590	447	173	515	534	375	— 909
A 52	170	Malignant neoplasm of bone ...	82	13	4	3	8	12	— 20
A 53	172, 173	Malignant neoplasm of skin ...	30	46	6	7	6	7	— 13
A 54	174	Malignant neoplasm of breast ...	419	263	24	79	1	170	— 171
A 55	180	Malignant neoplasm of cervix uteri ...	752	289	43	82	—	157	— 157
A 56	181, 182	Other malignant neoplasm of uterus ...	146	52	4	21	—	36	— 36
A 57	185	Malignant neoplasm of prostate...	27	13	5	5	20	—	— 20
		<i>Carried forward ...</i>	11,696	10,189	866	1,991	2,544	1,608	— 4,152

TABLE 49—Contd.

Inter-mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths		
			Government Hospitals	Government Assisted Hospitals	Government Hospitals	Government Assisted Hospitals	Male	Female	Sex Unknown
A 58(a)	155	<i>Brought forward</i> ...	11,696	10,189	866	1,991	2,544	1,608	—
		Malignant neoplasm of liver and intrahepatic bile ducts, specified as primary ...	443	158	241	220	573	156	—
(b)	156-160, 163, 171, 183, 184, 186-199	Malignant neoplasm of other and unspecified sites ...	748	404	170	305	307	313	—
A 59	204-207	Leukaemia ...	122	23	39	20	50	35	—
A 60	200-203, 208, 209	Other neoplasms of lymphatic and haematopoietic tissue ...	145	31	50	23	82	28	—
A 61	210-239	Benign neoplasms and neoplasms of unspecified nature ...	1,992	1,411	9	10	7	12	—
A 62	240, 241	Non-toxic goitre ...	130	104	—	1	—	1	—
A 63	242	Thyrototoxicosis with or without goitre ...	503	161	2	—	—	2	—
A 64	250	Diabetes mellitus ...	843	465	23	34	72	87	—
A 65	260-269	Avitaminoses and other nutritional deficiency ...	53	93	3	8	7	4	—
A 66	243-246, 251-258, 270-279	Other endocrine and metabolic diseases ...	356	188	3	3	1	5	—
A 67(a)	280	Iron deficiency anaemias ...	36	69	—	4	3	1	—
(b)	281	Other deficiency including pernicious anaemias ...	12	18	—	—	—	—	—
(c)	282-285	Other anaemias ...	942	217	15	16	20	26	—
		<i>Carried forward</i> ...	18,021	13,531	1,421	2,635	3,666	2,278	—
									5,944

TABLE 49—Contd.

Inter- mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths		
			Govern- ment Hospitals	Govern- ment Assisted Hospitals	Govern- ment Hospitals	Govern- ment Assisted Hospitals	Whole Colony		Total
							Male	Female	
		<i>Brought forward</i> ...	18,021	13,531	1,421	2,635	3,666	2,278	5,944
A 68	286-289	Other diseases of blood and blood-forming organs ...	389	111	3	3	3	3	6
A 69	290-299	Psychoses ...	3,531	28	6	—	8	2	10
A 70	300-309	Neuroses, personality disorders and other non-psychotic mental disorders ...	4,022	244	—	—	—	1	1
A 71	310-315	Mental retardation ...	46	82	—	2	1	2	3
A 72	320	Meningitis (excluding all meningitis between 001-136)	155	51	45	20	50	17	67
A 73	340	Multiple sclerosis ...	2	—	—	1	3	—	3
A 74	345	Epilepsy ...	858	274	1	1	14	6	20
A 75	360-369	Inflammatory diseases of eye	42	45	—	—	—	—	—
A 76	374	Cataract ...	402	129	—	—	—	—	—
A 77	375	Glaucoma ...	128	40	—	—	—	—	—
A 78	381-383	Otitis media and mastoiditis	158	80	—	—	—	1	1
A 79(a)	370-373, 376-379	} All other diseases and conditions of eye ...	342	84	—	—	—	—	—
(b)	321-333, 341-344, 346-358, 380,		1,043	479	22	30	33	24	57
A 80	384-389 390-392	Active rheumatic fever ...	575	124	2	1	2	1	3
		<i>Carried forward</i> ...	29,714	15,302	1,500	2,693	3,780	2,335	6,115

TABLE 49—Contd.

Inter- mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths		
			Govern- ment Hospitals	Govern- ment Assisted Hospitals	Govern- ment Hospitals	Govern- ment Assisted Hospitals	Male	Female	Sex Un- known
		<i>Brought forward ...</i>	29,714	15,302	1,500	2,693	3,780	2,335	—
A 81	393-398	Chronic rheumatic heart disease ...	807	382	37	53	117	154	—
A 82	400-404	Hypertensive disease ...	927	1,019	38	114	334	313	—
A 83	410-414	Ischaemic heart disease ...	769	344	238	215	578	548	—
A 84	420-429	Other forms of heart disease ...	1,729	1,213	301	601	491	414	—
A 85	430-438	Cerebrovascular disease ...	1,759	1,093	969	985	1,003	953	—
A 86	440-448	Diseases of arteries, arterioles and capillaries ...	209	150	26	39	107	106	—
A 87	450-453	Venous thrombosis and embolism	33	23	2	2	1	3	—
A 88	454-458	Other diseases of circulatory system ...	933	1,090	—	4	2	2	—
A 89(a)	460-465	Acute upper respiratory infections ...	1,326	2,369	1	1	1	1	—
(b)	466	Acute bronchitis and bronchiolitis ...	287	340	6	5	9	2	—
A 90	470-474	Influenza ...	352	95	—	1	20	14	—
A 91	480	Viral pneumonia ...	15	20	1	—	1	—	—
A 92(a)	481	Pneumococcal pneumonia	174	168	23	25	53	17	—
(b)	482-486	Other pneumonia including bronchopneumonia ...	4,585	2,509	785	862	1,188	1,004	—
A 93(a)	490-491	Bronchitis, chronic and unqualified ...	665	1,476	39	107	167	150	—
(b)	492-493	Emphysema and asthma ...	1,957	1,317	21	62	359	212	—
		<i>Carried forward ...</i>	46,241	28,910	3,987	5,769	8,211	6,228	—
									14,439

TABLE 49—Contd.

Inter-mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths		
			Government Hospitals	Government Assisted Hospitals	Government Hospitals	Government Assisted Hospitals	Whole Colony		
							Male	Female	Sex Un-known Total
A 94	500	<i>Brought forward</i> ...	46,241	28,910	3,987	5,769	8,211	6,228	— 14,439
A 95	510, 513	Hypertrophy of tonsils and adenoids ...	608	273	—	—	—	—	—
A 96(a)	515	Empyema and abscess of lung ...	119	69	16	13	28	10	38
(b)	501-508, 511, 512, 514, 516-519, 520-525	Pneumoconiosis ...	3	4	—	—	1	—	1
A 97		Other diseases of respiratory system ...	2,935	1,741	78	46	72	60	132
A 98(a)	531	Diseases of teeth and supporting structures ...	432	51	—	—	—	—	—
(b)	532	Ulcer of stomach ...	393	436	6	13	42	25	67
(c)	533	Ulcer of duodenum ...	536	665	8	11	26	10	36
A 99	535	Peptic ulcer, site unspecified (excluding gastrojejunal ulcer, 534) ...	2,489	1,429	7	28	46	14	60
A100	540-543	Gastritis and duodenitis ...	356	628	2	1	2	1	3
A101	550-553, 560	Appendicitis ...	4,926	2,051	—	—	2	3	5
A102	571	Intestinal obstruction and hernia ...	2,012	1,049	9	18	20	14	34
A103	574, 575	Cirrhosis of liver ...	689	251	138	136	284	79	363
		Cholelithiasis and cholecystitis ...	3,194	1,517	29	44	67	75	142
		<i>Carried forward</i> ...	64,933	39,074	4,280	6,079	8,801	6,519	— 15,320

TABLE 49—Contd.

Inter-mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths			
			Government Hospitals	Government Assisted Hospitals	Government Hospitals	Government Assisted Hospitals	Male	Female	Sex Un-known	Total
A104	526-530, 534, 536, 537, 561-570, 572, 573, 576, 577	<i>Brought forward</i> ...	64,933	39,074	4,280	6,079	8,801	6,519	—	15,320
		Other diseases of digestive system	5,236	2,322	219	91	180	143	—	323
A105	580	Acute nephritis ...	504	202	2	1	4	3	—	7
A106	581-584	Other nephritis and nephrosis ...	674	310	30	66	131	135	—	266
A107	590	Infections of kidney ...	128	74	16	19	34	58	—	92
A108	592, 594	Calculus of urinary system ...	748	466	3	5	5	6	—	11
A109	600	Hyperplasia of prostate ...	157	137	1	—	13	—	—	13
A110	610, 611	Diseases of breast ...	63	98	—	—	—	—	—	—
A111(a)	603	Hydrocele ...	269	166	—	—	—	—	—	—
(b)	626	Disorders of menstruation ...	1,385	1,868	—	—	—	—	—	—
(c)	591, 593, 595-599, 601, 602, 604-607, 612-625, 627-629 636-639	Other diseases of genitourinary system ...	4,284	3,629	15	16	19	32	—	51
A112		Toxaemias of pregnancy and the puerperium ...	769	432	—	2	—	3	—	3
		<i>Carried forward</i> ...	79,150	48,778	4,566	6,279	9,187	6,899	—	16,086

TABLE 49—Contd.

Inter- mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths			
			Govern- ment Hospitals	Govern- ment Assisted Hospitals	Govern- ment Hospitals	Govern- ment Assisted Hospitals	Male	Female	Sex Un- known	Total
		<i>Brought forward ...</i>	79,150	48,778	4,566	6,279	9,187	6,899	—	16,086
A113	632, 651-653 640, 641	} Haemorrhage of pregnancy and childbirth ...	809	1,204	1	—	—	1	—	1
A114		} Abortion induced for legal indications ...	105	4	—	—	—	—	—	—
A115	642-645	} Other and unspecified abortion ...	3,483	3,634	—	—	—	1	—	1
A116	670, 671 673	} Sepsis of childbirth and the puerperium ...	13	18	—	—	—	1	—	1
A117	630, 631, 633-635, 654-662, 672, 674-678	} Other complications of pregnancy, childbirth and the puerperium...	8,380	4,178	3	2	—	5	—	5
A118	650	Delivery without mention of complication ...	13,488	23,565	—	—	—	—	—	—
A119	680-686	Infection of skin and subcutaneous tissue ...	1,912	747	—	2	1	1	—	2
A120(a)	707	Chronic ulcer of skin ...	62	81	—	—	—	—	—	—
(b)	690-706, 708, 709	} Other diseases of skin and subcutaneous tissue ...	713	489	5	3	3	15	—	18
A121	710-715	Arthritis and spondylitis ...	632	409	—	6	1	5	—	6
A122	716-718	Non-articular rheumatism and rheumatism unspecified ...	29	39	1	1	1	1	—	2
A123	720	Osteomyelitis and periostitis ...	144	91	—	—	—	—	—	—
		<i>Carried forward ...</i>	108,920	83,237	4,576	6,293	9,193	6,929	—	16,122

TABLE 49—Contd.

Inter- mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths			
			Govern- ment Hospitals	Govern- ment Assisted Hospitals	Govern- ment Hospitals	Govern- ment Assisted Hospitals	Whole Colony			
							Male	Female	Sex Un- known	Total
		<i>Brought forward ...</i>	108,920	83,237	4,576	6,293	9,193	6,929	—	16,122
A124	727, 735-738	} Ankylosis and acquired musculoskeletal deformities ... } Other diseases of musculoskeletal system and connective tissue ... } Spina bifida ... } Congenital anomalies of heart ... } Other congenital anomalies of circulatory system ... } Cleft palate and cleft lip ...	122	90	—	—	—	—	—	—
A125	721-726, 728-734		1,067	386	1	5	2	4	—	6
A126	741		7	6	—	—	—	—	—	—
A127	746		378	122	76	24	86	71	—	157
A128	747		84	2	2	2	1	3	—	4
A129	749	} All other congenital anomalies ... } Birth injury and difficult labour ... } Conditions of placenta and cord... } Haemolytic disease of newborn ... } Anoxic and hypoxic conditions not elsewhere classified ... } Other causes of perinatal morbidity and mortality ... } Senility without mention of psychosis ...	93	217	—	1	1	—	—	1
A130	740, 742-745, 748, 750-759		660	414	24	28	61	60	—	121
A131	764-768, 772		62	42	1	5	17	18	—	35
A132	770, 771		5	3	—	—	2	2	—	4
A133	774, 775		2,334	837	70	4	52	29	—	81
A134	776	15	34	20	50	68	53	—	121	
A135	760-763, 769, 773, 777-779	1,303	908	123	154	255	124	—	379	
A136	794	22	539	—	579	253	623	—	876	
		<i>Carried forward ...</i>	115,072	86,837	4,893	7,145	9,991	7,916	—	17,907

TABLE 49—Contd.

Inter- mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths		
			Govern- ment Hospitals	Govern- ment Assisted Hospitals	Govern- ment Hospitals	Govern- ment Assisted Hospitals	Whole Colony		
							Male	Female	Sex Un- known
		<i>Brought forward</i> ...	115,072	86,837	4,893	7,145	9,991	7,916	—
A137	780-793, 795, 796	} Symptoms, and other ill-defined conditions ...	12,426	4,768	328	325	470	438	—
AE138	E810-E823		2,956	945	192	40	213	117	—
AE139	E800-E807 E825-E845	} Other transport accidents	301	72	5	2	17	13	—
AE140	E850-E877		1,378	84	9	—	3	6	—
AE141	E880-E887	Accidental falls ...	7,266	1,351	78	13	75	44	—
AE142	E890-E899	Accidents caused by fires ...	483	80	8	3	15	8	—
AE143	E910	Accidental drowning and submersion ...	192	24	2	—	197	58	—
AE144	E922	Accident caused by firearm missiles ...	2	14	—	—	—	—	—
AE145	E924	Accident caused by hot substance, corrosive liquid, and steam ...	1,453	552	1	2	2	1	—
(a)									3
(b)	E916-E921, E923, E925-E928	} Accidents mainly of industrial type ...	8,300	701	17	1	13	7	—
AE146	E905								20
(a)		Bites and stings of venomous animals and insects ...	229	26	—	—	—	—	—
(b)	E906	Other accidents caused by animals ...	111	34	—	—	—	1	—
		<i>Carried forward</i> ...	150,169	95,488	5,533	7,531	10,996	8,609	—
									19,605

TABLE 49—Contd.

Inter- mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths			
			Govern- ment Hospitals	Govern- ment Assisted Hospitals	Govern- ment Hospitals	Govern- ment Assisted Hospitals	Whole Colony			Total
							Male	Female	Sex Un- known	
		<i>Brought forward ...</i>	150,169	95,488	5,533	7,531	10,996	8,609	—	19,605
(c)	E914	Foreign body accidentally entering eye and adnexa ...	41	17	—	—	—	—	—	—
(d)	E915	Foreign body entering other orifice ...	874	170	—	1	—	1	—	1
(e)	E900-E904, E907-E909, E911-E913, E929-E949	} All other accidents ...	2,572	2,194	37	8	99	35	—	134
AE147	E950-E959		657	201	22	33	217	171	—	388
AE148	E960-E978	Suicide and self inflicted injury ...								
		Homicide and injury purposely inflicted by other persons; legal intervention ...	1,655	478	26	9	70	10	—	80
AE149	E980-E989	Injury undetermined whether accidentally or purposely inflicted ...	111	159	—	3	28	17	—	45
AE150	E990-E999	Injury resulting from operation of war ...	—	—	—	—	—	—	—	—
		GRAND TOTAL ...	156,079	98,707	5,618	7,585	11,410	8,843	—	20,253

TABLE 49—Contd.

Inter-mediate List Number	Detailed List Number 1965 Revision	Cause groups	Discharges		Deaths		Deaths			
			Govern-ment Hospitals	Govern-ment Assisted Hospitals	Govern-ment Hospitals	Govern-ment Assisted Hospitals	Male	Female	Sex Un-known	Total
AN138	N800-N804	Fracture of skull ...	337	46	113	6	194	121	—	315
AN139	N805-N809	Fracture of spine and trunk ...	622	192	21	3	31	15	—	46
AN140	N810-N829	Fracture of limbs ...	4,421	1,666	8	4	10	2	—	12
AN141	N830-N839	Dislocation without fracture ...	237	85	—	—	—	—	—	—
AN142	N840-N848	Sprains and strains of joints and adjacent muscles ...	206	94	—	—	—	1	—	1
AN143	N850-N854	Intracranial injury (excluding skull fracture) ...	8,142	1,385	139	59	160	73	—	233
AN144	N860-N869	Internal injury of chest, abdomen and pelvis ...	79	29	61	16	106	41	—	147
AN145	N870-N907	Laceration and open wound ...	7,413	1,491	11	1	9	7	—	16
AN146	N910-N929	Superficial injury, contusion and crushing with intact skin surface	970	669	—	—	—	—	—	—
AN147	N930-N939	Foreign body entering through orifice ...	1,684	194	3	—	4	1	—	5
AN148	N940-N949	Burn ...	1,878	699	9	5	35	11	—	46
AN149	N960-N989	Adverse effects of chemical substances ...	2,258	268	24	5	32	46	—	78
AN150	N950-N959 N990-N999	} All other and unspecified effects of external causes ...	334	284	8	16	368	171	—	539
		TOTAL ...	28,581	7,102	397	115	949	489	—	1,438

TABLE 50
EXPENDITURE ON HOSPITALS
1970-71 and 1971-72

Unit	1970-71						1971-72				
	No. of beds	No. of in-patient admissions	Total Expenditure	Expenditure per bed	Expenditure in-patient		No. of beds	No. of in-patient admissions	Total Expenditure†	Expenditure per bed	Expenditure in-patient
Castle Peak Hospital (Psychiatric Service) ...	1,242*	3,494	15,867,956	12,776.13	4,541.49	\$	1,242*	3,834	21,794,676	17,548.05	5,684.58
Kowloon Hospital (Tuberculosis and Convalescent)...	500	7,379	10,903,719	21,807.14	1,477.67		678	7,759	15,768,432	23,257.27	2,032.28
Lai Chi Kok Hospital (Infectious and Convalescent)‡...	492	5,180	6,549,537	13,312.07	1,264.39		492	6,409	7,512,173	15,268.64	1,172.13
Queen Elizabeth Hospital (Acute and General) ...	1,596	81,095	54,833,194	34,356.64	676.16		1,596§	88,764	61,870,920	38,766.24	697.03
Queen Mary Hospital (Acute, General and Teaching) ...	1,062	34,059	36,221,625	34,106.99	1,063.50		1,128	36,793	46,960,861	41,631.97	1,276.35
Tsan Yuk Hospital (Maternity and Teaching) ...	241	7,980	5,125,435	21,267.37	642.28		301	8,093	5,656,187	18,791.32	698.90

* Additional temporary beds were provided which resulted in an average bed occupancy rate for 1970-71 and 1971-72 of 36% and 42% respectively over the official number of beds in the hospital. The expenditure per bed per annum calculated on this basis reduces therefore to \$9,372.69 (1970-71) and \$11,838.50 (1971-72).

† The total expenditure per institution is inclusive of all ancillary and out-patient services, but does not include overhead expenses.

‡ The expenditure does not include the additional posts for the new Lai Chi Kok Hospital.

§ The number of functional beds was 1,893 and the expenditure per functional bed per annum reduces to \$32,684.10.

TABLE 51

WORK OF THE QUEEN MARY HOSPITAL, 1970-71

	1970	1971
Total number of In-patients Discharged	31,684	34,767
Total number of Deaths	1,890	1,992
Total number of In-patients Treated	33,574	36,759
Total Attendances at Casualty	44,886	48,402
Total Out-patient Attendances at Specialist Clinics	17,386	19,873
Total number of Operations (Excluding Minor Operations)	16,823	18,765
Average Length of Stay (in days)	9.7	9.4
Mortality (% of total In-patients Treated) ...	5.6	5.4

TABLE 52

WORK OF THE QUEEN ELIZABETH HOSPITAL, 1970-71

	1970	1971
Total number of In-patients Discharged	76,606	85,420
Total number of Deaths	3,219	3,247
Total number of In-patients Treated	79,825	88,667
Total Attendances at Casualty	157,336	176,385
Total Out-patient Attendances at Specialist Clinics	276,236	285,717
Operations:		
Casualty Department	20,441	20,486
Operating Theatre Suites	20,676	21,619
Specialist Clinics	2,656	2,754
Total	43,773	44,859
Average Length of Stay (in days)	6.7	6.5
Mortality (% of total In-patients Treated) ...	4.0	3.7

TABLE 53

WORK OF QUEEN ELIZABETH HOSPITAL CASUALTY 1971

A. TRAUMATIC CASES

Cause				First Attendance		Admissions	
				Cases	%	Cases	%
Assault	...	...	...	7,374	14.2	2,860	13.9
Traffic ...	...	...	...	7,449	14.3	2,907	14.1
Industrial	...	...	...	17,190	33.1	7,001	34.0
Domestic	...	...	...	13,694	26.3	5,481	26.6
Animal Bite	...	...	...	2,552	4.9	961	4.7
Sport ...	...	...	...	1,355	2.6	504	2.4
Other ...	...	...	...	2,392	4.6	884	4.3
Total	...	...	...	52,006	100.0	20,598	100.0

Traumatic attendances as a percentage of total attendances at Casualty =29.5%

Traumatic admissions as a percentage of total admissions from Casualty =29.2%

B. NON-TRAUMATIC CASES

Cause				First Attendance		Admissions	
				Cases	%	Cases	%
Infectious	...	...	...	5,308	4.3	1,566	3.2
Tuberculosis	...	...	...	4,540	3.7	1,758	3.5
Medical	...	...	...	33,856	27.2	13,348	26.8
Surgical	...	...	...	27,430	22.0	10,488	21.0
Obstetrical	...	...	...	2,475	2.0	2,042	4.1
Gynaecology	...	...	...	6,251	5.0	4,219	8.5
Paediatric	...	...	...	28,514	22.9	10,788	21.6
Psychiatric	...	...	...	1,352	1.1	—	—
Other ...	...	...	...	14,653	11.8	5,641	11.3
Total	...	...	...	124,379	100.0	49,850	100.0

Non-traumatic attendances as a percentage of total attendances at Casualty=70.5%

Non-traumatic admissions as a percentage of total admissions from Casualty=70.8%

TABLE 54

WORK OF THE TANG SHIU KIN HOSPITAL 1970-71

	1970	1971
Total number of In-patients Discharged	4,392	4,603
Total number of Deaths	38	29
Total number of In-patients Treated	4,430	4,632
Total Attendances at Casualty	54,528	64,129
Total General Out-patient Attendances (Including Casualty Attendances)	115,025	126,773
Total number of Operations	7,160	8,784
Average Length of Stay (in days)	3.5	3.3
Mortality (% of total In-patients Treated) ...	0.9	0.6

TABLE 55

WORK OF TSAN YUK HOSPITAL 1970-71

	1970	1971
Total Admissions:		
Special Care Babies	1,971	849
Maternity	7,794	8,092
Total infants born	5,920	5,985
Stillbirth rate (per 1,000 total births)	9.96	7.85
Neo-natal Mortality rate (per 1,000 livebirths) ...	8.53	9.94
Maternity Mortality rate (per 1,000 total births) ...	0.34	—
Percentage of Operative Deliveries	28.23 %	28.34 %
Ante-natal Clinic Attendances:		
New	4,743	5,010
Total	31,315	33,165
Post-natal Clinic Attendances:		
New	3,101	3,387
Total	3,625	3,801

TABLE 56
WORK OF CASTLE PEAK HOSPITAL 1971

	Male	Female	Total
Patients in hospital on 1st January, 1971 ...	1,214	733	1,947
Patients admitted: First admissions ...	933	624	1,557
Re-admissions ...	1,274	1,003	2,277
Total admissions ...	2,207	1,627	3,834
Patients discharged ...	2,043	1,548	3,591
Patients transferred ...	112	80	192
Deaths ...	54	28	82
Total discharges ...	2,209	1,656	3,865
Patients remaining on 31st December, 1971 ...	1,212	704	1,916

TABLE 57
WORKS OF DAY HOSPITALS AND PSYCHIATRIC CENTRES 1971
PSYCHIATRIC DAY PATIENTS AT PSYCHIATRIC CENTRES

		Hong Kong Psy. Centre	Yau Ma Tei Psy. Centre	Kowloon Hospital Psy. Unit*
Patients attending on 1.1.71 ...	M	10	29	—
	F	15	19	—
	T	25	48	—
Admissions in 1971 ...	M	71	231	6
	F	62	125	4
	T	133	356	10
Total Treated ...	M	81	260	6
	F	77	144	4
	T	158	404	10
Discharged in 1971 ...	M	64	226	1
	F	57	130	2
	T	121	356	3
Patients attending on 31.12.71 ...	M	17	34	5
	F	20	14	2
	T	37	48	7

* Opened on 2.7.71

TABLE 57—*Contd.*

OUT-PATIENT ATTENDANCES AT PSYCHIATRIC CENTRES

	New	Repeated	Total
Hong Kong Psychiatric Centre	1,087	26,735	27,822
Kowloon Hospital Psychiatric Unit* ...	437	1,685	2,122
Queen Elizabeth Hospital, Psychiatric Clinic	135	1,611	1,746
Tsuen Wan Psychiatric Clinic	75	2,274	2,349
Yau Ma Tei Psychiatric Centre	1,275	47,553	48,828
Violet Peel Psychiatric Sunday Clinic ...	—	1,598	1,598
Yau Ma Tei J.C.C., Psychiatric Sunday Clinic	—	2,857	2,857
TOTAL	3,009	84,313	87,322

* Opened on 2.7.71.

TABLE 58

WORK OF KOWLOON HOSIPTAL PSYCHIATRIC UNIT*

	Male	Female	Total
Patients in hospital on 1st January, 1971 ...	—	—	—
Patients admitted: First admissions ...	70	82	152
Re-admissions	17	8	25
Total admissions	87	90	177
Patients discharged	72	69	141
Patients transferred	8	12	20
Deaths	1	—	1
Total discharges	81	81	162
Patients remaining on 31st December, 1971 ...	6	9	15

* Opened on 2.7.71.

TABLE 59

NEW OUT-PATIENT ATTENDANCES AT GOVERNMENT AND GOVERNMENT-ASSISTED
HOSPITALS AND CLINICS 1971

	General Clinics		Special Clinics											Total
	General	Casu- alty	General	Child Health	Ante- Natal	Post- Natal	Eye	E.N.T.	T.B.	Psy.	Leprosy	Social Hygi- ene	Derma- tology	
HONG KONG														
Government Institutions ...	682,833	108,195	23,724	30,346	9,048	6,017	30,679	5,129	12,260	1,132	76	19,563	7,297	936,299
Government-assisted Institutions:														
Alice Ho Miu Ling Nethersole Hospital ...	306	6,231	16,141	1,172	3,762	2,623	129	206	—	—	—	—	99	30,669
Duchess of Kent Children's Orthop. Hospital and Convalescent Home ...	—	—	370	—	—	—	—	—	—	—	—	—	—	370
Grantham Hospital ...	—	—	—	—	—	—	—	—	144	—	—	—	—	144
Ruttonjee Sanatorium ...	—	—	—	—	—	—	—	—	182	—	—	—	—	182
Tung Wah Hospital ...	24,837	—	5,061	—	929	154	2,641	1,145	549	—	—	—	—	35,316
Tung Wah Eastern Hospital ...	8,774	—	465	—	793	184	289	353	43	—	—	—	—	10,901
TOTAL (Hong Kong) ...	716,750	144,426	45,761	31,518	14,532	8,978	33,738	6,833	13,178	1,132	76	19,563	7,396	1,013,881
KOWLOON														
Government Institutions ...	1,012,138	185,650	21,028	58,963	15,519	8,865	55,828	9,094	21,119	1,847	362	12,924	6,699	1,410,036
Government-assisted Institutions:														
Caritas Medical Centre ...	14,625	—	9,791	1,326	2,182	1,057	1,347	1,709	570	—	—	—	1,013	33,620
H.K. Buddhist Hospital ...	9,921	—	1,015	—	—	—	109	414	—	—	—	—	202	11,661
Kwong Wah Hospital ...	54,210	90,778	12,455	—	16,782	7,681	1,302	2,647	—	—	—	—	—	185,855
Our Lady of Maryknoll Hospital	19,761	—	8,796	1,872	1,911	—	588	372	794	—	—	—	198	34,292
TOTAL (Kowloon) ...	1,110,655	276,428	53,085	62,161	36,394	17,603	59,174	14,236	22,483	1,847	362	12,924	8,112	1,675,464
NEW TERRITORIES														
Government Institutions ...	443,301	39,140	—	19,964	10,120	1,242	10,154	708	6,338	89	—	3,773	177	535,006
Government-assisted Institutions:														
Fanling Hospital ...	1,786	—	1,462	—	—	—	28	110	40	—	—	—	28	3,454
Pok Oi Hospital ...	23,739	978	—	—	1,155	97	—	—	—	—	—	—	—	25,969
Rennie's Mill Church Clinic ...	1,279	—	—	84	76	327	—	—	9	—	—	—	—	1,775
TOTAL (New Territories) ...	470,105	40,118	1,462	20,048	11,351	1,666	10,182	818	6,387	89	—	3,773	205	566,204
TOTAL (GOVERNMENT INSTITUTIONS)	2,138,272	332,985	44,752	109,273	34,687	16,124	96,661	14,931	39,717	3,068	438	36,260	14,173	2,881,341
TOTAL (GOVT.-ASSISTED INST.) ...	159,238	97,987	55,556	4,454	27,590	12,123	6,433	6,956	2,331	—	—	—	1,540	374,208
GRAND TOTAL (Colony) ...	2,297,510	430,972	100,308	113,727	62,277	28,247	103,094	21,887	42,048	3,068	438	36,260	15,713	3,255,549

TABLE 60

TOTAL OUT-PATIENT ATTENDANCES AT GOVERNMENT AND GOVERNMENT-ASSISTED
HOSPITALS AND CLINICS 1971

	General Clinics		Special Clinics											Total
	General	Casu- alty	General	Child Health	Ante- Natal	Post- Natal	Eye	E.N.T.	T.B.	Psy.	Leprosy	Social Hygi- ene	Derma- tology	
HONG KONG														
Government Institutions ...	1,202,074	116,836	136,606	347,920	57,472	6,850	78,206	16,039	482,069	29,471	8,128	105,794	19,024	2,606,489
Government-assisted Institutions:														
Alice Ho Miu Ling Nethersole Hospital ...	6,660	6,231	65,074	2,594	24,880	2,623	544	553	—	—	—	—	457	109,616
Duchess of Kent Children's Orthop. Hospital and Convalescent Home ...	—	—	3,097	—	—	—	—	—	—	—	—	—	—	3,097
Grantham Hospital ...	—	—	—	—	—	—	—	—	405	—	—	—	—	405
Ruttonjee Sanatorium ...	—	—	—	—	—	—	—	—	8,092	—	—	—	—	8,092
Tung Wah Hospital ...	49,547	—	10,506	—	4,526	278	4,855	2,851	1,684	—	—	—	—	74,247
Tung Wah Eastern Hospital ...	25,155	—	3,557	—	3,580	226	1,157	1,613	1,639	—	—	—	—	36,927
TOTAL (Hong Kong) ...	1,283,436	123,067	218,840	350,514	90,458	9,977	84,762	21,056	493,889	29,471	8,128	105,794	19,481	2,838,873
KOWLOON														
Government Institutions ...	1,680,719	185,650	212,354	575,517	92,275	12,172	159,998	29,284	957,193	55,553	17,591	79,855	19,435	4,077,596
Government-assisted Institutions:														
Caritas Medical Centre ...	58,908	—	46,713	2,064	18,355	1,693	3,809	4,765	43,655	—	—	—	3,974	183,936
H.K. Buddhist Hospital...	27,790	—	2,670	—	—	—	177	1,004	—	—	—	—	388	32,029
Kwong Wah Hospital ...	152,420	90,778	76,385	—	74,415	8,915	4,835	8,496	—	—	—	—	—	416,244
Our Lady of Maryknoll Hospital	48,526	—	23,053	7,769	15,540	1,611	909	667	1,395	—	—	—	400	99,870
TOTAL (Kowloon) ...	1,968,363	276,428	361,175	585,350	200,585	24,391	169,728	44,216	1,002,243	55,553	17,591	79,855	24,197	4,809,675
NEW TERRITORIES														
Government Institutions ...	916,426	39,140	67	137,488	57,745	1,392	24,068	2,445	219,091	2,363	958	11,586	336	1,413,105
Government-assisted Institutions:														
Fanling Hospital ...	19,106	—	3,887	—	—	—	109	220	856	—	—	—	166	24,344
Po Oi Hospital ...	48,112	978	—	—	4,878	143	—	—	—	—	—	—	—	54,111
Rennie's Mill Church Clinic ...	14,954	—	—	565	500	327	—	—	1,142	—	—	—	—	17,488
TOTAL (New Territories) ...	998,598	40,118	3,954	138,053	63,123	1,862	24,177	2,665	221,089	2,363	958	11,586	502	1,509,048
TOTAL (GOVERNMENT INSTITUTIONS)...	3,799,219	341,626	349,027	1,060,925	207,492	20,414	262,272	47,768	1,658,353	87,387	26,677	197,235	38,795	8,097,190
TOTAL (GOVT.-ASSISTED INST.) ...	451,178	97,987	234,942	12,992	146,674	15,816	16,395	20,169	58,868	—	—	—	5,385	1,060,406
GRAND TOTAL (Colony) ...	4,250,397	439,613	583,969	1,073,917	354,166	36,230	278,667	67,937	1,717,221	87,387	26,677	197,235	44,180	9,157,596

TABLE 61

NEW TERRITORIES CLINICS 1971

Dispensaries	Out-patient Attendances						Maternity Cases Treated
	New Attendances			Total Attendances			
	General	Special	Total	General	Special	Total	
Castle Peak Clinic	30,377	3,193	33,570	54,192	17,632	71,824	736
Chee Hong Floating Clinic	4,826	—	4,826	6,229	—	6,229	—
Chee Wan Floating Clinic	9,532	—	9,532	9,915	—	9,915	—
Helicopter Medical Service	1,468	—	1,468	1,468	—	1,468	—
Ho Tung Dispensary	3,217	405	3,622	3,217	1,640	4,857	160
Kam Tin Clinic	5,081	810	5,891	8,374	4,942	13,316	128
Lady Trench Polyclinic (day)	95,662	8,208	103,870	237,163	47,018	284,181	—
Lady Trench Polyclinic (Evening)	45,312	—	45,312	54,410	—	54,410	—
Maurine Grantham M.C.H. Centre	—	11,363	11,363	—	81,515	81,515	2,311
North Kwai Chung Polyclinic	9,509	—	9,509	10,856	—	10,856	—
North Lamma Clinic	5,346	225	5,571	14,043	1,229	15,272	33
Peng Chau Clinic	5,054	500	5,554	6,967	2,197	9,164	60
Sai Kung Clinic	26,675	1,573	28,248	49,188	10,297	59,485	299
Sai Kung Travelling Clinic	4,789	—	4,789	4,789	—	4,789	—
Sha Tau Kok Clinic	6,780	491	7,271	9,097	2,994	12,091	—
Sha Tin Clinic	12,859	1,249	14,108	21,568	10,758	32,326	280
Shek Wu Hui J.C.C.	57,662	6,986	64,648	115,285	37,952	153,237	1,379
Silver Mine Bay Dispensary	6,113	230	6,343	8,896	1,408	10,304	37
Tai O Dispensary	19,083	276	19,359	51,941	704	52,645	145
Tai O Travelling Dispensary	22	—	22	299	—	299	—
Tai Po J.C.C.	33,004	4,053	37,057	57,648	23,496	81,144	1,004
Tai O Travelling Clinic	2,849	—	2,849	2,849	—	2,849	—
Yuen Long Dispensary	48,319	7,345	55,664	121,220	46,883	168,103	1,275
TOTAL	433,539	46,907	480,446	849,614	290,665	1,140,279	7,847

TABLE 62

WORK OF RADIODIAGNOSTIC BRANCH 1971

Centres								Examinations
<i>Hong Kong Island</i>								
1.	H.M. Prison Victoria	...	...	...	...	...	...	10,901
2.	Mobile Mass Radiography Unit No. 1	...	...	...	...	...	...	26,823
3.	Queen Mary Hospital	...	...	...	...	...	...	89,267
4.	Sai Ying Pun Chest Clinic	...	...	...	...	...	...	19,231
5.	Sai Ying Pun Polyclinic	...	...	...	...	...	...	29,751
6.	Shau Kei Wan Chest Clinic	...	...	...	...	...	...	13,669
7.	Tang Shiu Kin Hospital	...	...	...	...	...	...	24,385
8.	Tang Shiu Kin X-ray Survey Centre	...	...	...	...	...	...	31,783
9.	Tsan Yuk Hospital	...	...	...	...	...	...	7,484
10.	Tung Wah Hospital	...	...	...	...	...	...	436
11.	Sandy Bay Convalescent Hospital	...	...	...	...	...	...	12
12.	Tung Wah Eastern Hospital	...	...	...	...	...	...	45
13.	Wan Chai Chest Clinic	...	...	...	...	...	...	29,004
Total								282,791
<i>Kowloon and New Territories</i>								
1.	Castle Peak Hospital	...	...	...	...	...	...	5,837
2.	Kowloon Chest Clinic	...	...	...	...	...	...	58,254
3.	Kowloon Hospital	...	...	...	...	...	...	15,500
4.	Lai Chi Kok Hospital	...	...	...	...	...	...	1,288
5.	Medical Examination Board	...	...	...	...	...	...	21,892
6.	Mobile Mass Radiography Unit No. 2	...	...	...	...	...	...	36,771
7.	Mobile Mass Radiography Unit No. 3	...	...	...	...	...	...	31,370
8.	Pok Oi Hospital	...	...	...	...	...	...	1,576
9.	Queen Elizabeth Hospital	...	...	...	...	...	...	187,889
10.	Shek Kip Mei Chest Clinic	...	...	...	...	...	...	40,175
11.	Yau Ma Tei Chest Clinic	...	...	...	...	...	...	33,085
12.	Yau Ma Tei X-ray Survey Centre	...	...	...	...	...	...	36,484
Total								470,121
GRAND TOTAL (WHOLE COLONY) ...								752,912

TABLE 63

RADIOTHERAPEUTIC DIVISION

A. RADIOTHERAPY

	1971
New Patients seen	3,148
New Patients with malignant disease seen	1,951
New Patients with non-malignant disease seen	1,173
New Patients with disease remained undiagnosed... ..	24
Total Patients with malignant disease treated	2,396
New Patients treated	1,814
Old Patients treated	582
Patients with non-malignant disease treated	425

B. RADIOISOTOPES

	Q.E.H.	Q.M.H.
<i>Diagnostic</i>		
Thyroid Function		
I-131 Uptake Test	708	781
T-3 Triosorb Test	1,289	863
T-4 Tetrosorb Test	—	54
Vit B12—Malabsorption		
Dicopac (Co-57 and Co-58)	2	—
Scanning		
I-131 Neck	714	196
I-131 Whole Body	28	45
In-113m Liver and Spleen	—	893
In-113m Brain	—	79
In-113m Kidney	—	2
In-113m Lung	—	1
In-113m Placenta	—	8
In-113m Bone marrow	—	1
<i>Therapy</i>		
Hyperthyroidism	130	244
Thyroid Carcinoma	9	17
Phosphorus-32	—	3

TABLE 64

WORK OF THE OPHTHALMIC SERVICE 1970 AND 1971

	1970	1971
New Out-patient attendances	82,810	95,894
Total Out-patient attendances	239,175	260,142
Operations performed	2,036	2,630
Operations classed as sight-restoring (included in above) ...	1,300	1,424
Home visits by Health Visitors	1,969	1,587

TABLE 65

ANALYSIS OF MAJOR CAUSES OF BLINDNESS

(EXPRESSED AS PERCENTAGE OF BLIND CASES)

TOTAL INCIDENCE 1970 AND 1971

Causes	1970	1971
Keratomalacia	5.8	3.5
Senile cataracts	24	45.2
Trachoma	8.5	6.5
Glaucoma	22.6	13.7
Injuries (all types)	1	1.3
Syphilis	0.4	0
Congenital defects	2.2	3.5
N.S.O.A./Uveitis	19.1	11.0
Degenerative diseases	16.4	11.4
Neoplasms	—	2.6
Meningitis	—	1.3

INCIDENCE IN CHILDREN UNDER 15 YEARS OF AGE 1970 AND 1971

Causes	1970*	1971†
Keratomalacia	10	9
Congenital defects	60	73
N.S.O.A./Uveitis	30	0
Neoplasms	—	18

* Total Cases: 10

† Total Cases: 11

TABLE 66

PHARMACEUTICAL SERVICES

BULK PHARMACEUTICAL CENTRES

Store and Bulk Manufacture

Central Medical Store (supplying Hong Kong and other islands)

Kowloon Medical Store (supplying Kowloon and the New Territories)

Sterile Preparation Centres

Queen Mary Hospital

Queen Elizabeth Hospital

	Cost of Drugs and Dressings		Cost of Instruments, Medical and Surgical Equipment	
	1970	1971	1970	1971
	\$	\$	\$	\$
Queen Mary Hospital ...	2,985,051.98	4,584,362.58	491,197.92	798,795.78
Queen Elizabeth Hospital ...	3,975,908.17	5,119,371.16	426,052.59	635,563.65
Sai Ying Pun J.C.C. ...	1,106,662.63	1,364,376.45	3,283.75	5,917.32
Violet Peel Polyclinic ...	521,972.23	617,117.31	7,733.33	2,159.96
Q.E.H. Specialist Clinic ...	1,315,906.63	1,552,902.07	—	—
Other Hospitals and Clinics...	7,949,053.66	8,874,364.91	1,602,572.73	2,028,390.18
TOTAL COST ...	17,854,555.30	22,112,494.48	2,530,840.32	3,470,826.89

PHARMACEUTICAL CONTROL 1970 AND 1971

	1970	1971
Wholesale Poisons Licences issued	511	506
Authorised Seller Licences issued	56	56
Listed Seller Licences issued	1,280	1,482
Dangerous Drugs Licences issued	66	71
Antibiotics Permits issued	325	237
Licences for movement of Dangerous Drugs	244	230
Premises inspected	3,529	4,531
Prosecutions	63	132

TABLE 67

WORK OF PHYSIOTHERAPY SERVICE 1971

Centres	Number of Attendances	
	Patients Treated	Total Attendances
Queen Elizabeth Hospital	16,216	112,970
Queen Mary Hospital	7,629	61,884
Kowloon Hospital	4,613	64,810
Lai Chi Kok Hospital	2,844	55,158
Kowloon Rehabilitation Centre	5,533	48,170
Wan Chai Polyclinic	4,386	43,256
Tang Shiu Kin Hospital	420	3,097
Sandy Bay Hospital	1,112	21,260
David Trench Rehabilitation Centre	1,865	19,645
Kwun Tong W.R.C.	367	2,603
TOTAL	44,985	432,853

TABLE 68

WORK OF OCCUPATIONAL THERAPY SERVICE 1971

Centres	Patients Treated	Total Attendances
Castle Peak Hospital	5,420	528,084
David Trench Rehabilitation Centre	59	743
Hong Kong Psychiatric Centre	155	12,060
Kowloon Hospital	502	21,311
Kowloon Hospital, West Wing	139	4,000
Kowloon Jockey Club Rehabilitation Centre	802	14,568
Lai Chi Kok Hospital	531	14,793
Queen Elizabeth Hospital	837	14,618
Queen Mary Hospital	2,064	19,246
Wan Chai Polyclinic	259	5,845
Yau Ma Tei Jockey Club Polyclinic	371	17,619
TOTAL (Colony)	11,139	652,887

TABLE 69

WORK OF PROSTHETIC-ORTHOTIC SERVICE 1971

Type of Patients	No. of Patients Treated	Total Attendances
Patients requiring Spinal Braces	58	232
Patients requiring Hand and Arm Splints	11	44
Patients requiring Leg Braces	526	2,595
Patients requiring Foot Appliances and Shoe Corrections	884	2,721
Upper Extremity Amputee	46	222
Lower Extremity Amputee	150	716
Patients requiring repairs	296	359
Patients called for checking	1,164	1,164
TOTAL	3,135	8,053

TABLE 70

WORK OF MEDICAL EXAMINATION BOARD 1970 AND 1971

	Government Appointments		Auxiliary Defence Units		Miscellaneous		Total	
	1970	1971	1970	1971	1970	1971	1970	1971
New examinations ...	9,956	9,783	2,619	2,784	472	851	13,047	13,418
Re-examinations ...	6,696	6,624	1,350	1,850	—	—	8,046	8,474
Annual Total ...	16,652	16,407	3,969	4,634	472	851	21,093	21,892

TABLE 71

UNFITNESS OF CANDIDATES BY CAUSES 1970 AND 71

Causes	1970	1971
Pulmonary Tuberculosis	152	145
Other Chest Lesions	15	15
Disease of the Endocrine System	4	4
Disease of the eye	—	1
Disease of the Circulatory System	31	18
Disease of the Alimentary System	5	1
Disease of the Skeletal System	—	2
Disease of the Genito-urinary System	7	3
Miscellaneous	17	23
TOTAL	231	212

TABLE 72

MEDICAL CLINICS REGISTRATION

Number of clinics fully registered at 31st March, 1972	77
Number of clinics registered with exemption at 31st March, 1972	349
Number of clinics in respect of which registration was refused during 1971-72	0
Number of clinics in respect of which registration was cancelled during 1971-72	0

TABLE 73

GOVERNMENT MEDICAL SUBVENTIONS TO VOLUNTARY INSTITUTIONS FROM 1967-68 TO 1971-72
(FIGURES IN BRACKETS REPRESENT ADDITIONAL SUBVENTIONS FOR CAPITAL PURPOSES)

Institutions					
	1967-68	1968-69	1969-70	1970-71	1971-72
Alice Ho Miu Ling Nethersole Hospital ...	\$ 2,500,000	\$ 2,991,400	\$ 3,481,400	\$ 3,799,880 (130,200)	\$ 5,484,613
British Empire Leprosy Relief Association ...	800	727	727	727	—
Bureau of Hygiene and Tropical Diseases ...	1,600	1,455	3,636	3,636	3,636
Caritas Medical Centre ...	2,000,000	2,568,802	3,429,306	3,700,000	4,440,000
Cheshire Home ...	—	—	—	—	49,000
Family Planning Association of Hong Kong ...	500,000	500,000	740,000	740,000	814,000
Fanling Hospital ...	—	—	—	—	373,300
Grantham Hospital ...	4,895,800	4,992,782	5,468,125	5,693,138	8,634,384
Haven of Hope Tuberculosis Sanatorium ...	715,900	880,000 (150,000)	1,080,000	1,080,000	1,382,400
Hong Kong Anti-Cancer Society ...	241,188	543,962	558,850	(26,626)	(93,156)
Hong Kong Anti-Tuberculosis & Thoracic Diseases Association...	1,900,000 (116,900)	2,021,360	2,363,400	656,000	680,000
Hong Kong Council of Social Service ...	(23,800)	—	—	2,300,000	2,640,000
Hong Kong Red Cross Blood Bank ...	169,890 (13,300)	(116,200)	—	(157,800)	(45,564)
John F. Kennedy Centre ...	—	267,700	273,200	280,000	366,100
Princess Alexandra Residential School ...	—	212,800	400,000	(38,400)	450,000
Tsz Wan Shan School ...	—	—	29,400	31,800	37,000
Leprosy Mission, Hong Kong Auxiliary ...	775,000	775,000 (800)	820,000	6,900	8,500
Hong Kong Buddhist Hospital ...	—	—	—	800,000	840,000
London School of Hygiene and Tropical Medicine ...	1,600	1,455	1,454	250,026	946,700
Nam Long Cancer Hospital Extension ...	—	—	—	1,454	1,454
Our Lady of Maryknoll Hospital ...	387,000	830,922	870,375	—	(71,050)
Oxfam Hostel for Cancer Patients ...	6,500	—	—	1,050,000	1,600,000
Pok Oi Hospital ...	800,000	1,056,000	1,100,000	—	—
Rennie's Mill Church Clinic... ..	(25,556)	—	—	1,000,000	1,300,000
St. John Ambulance Brigade ...	18,000	18,000	18,000	(23,506)	(69,663)
Salvation Army (Cheung Chau Convalescent Home) ...	80,000	80,000	80,000	24,000	—
Society for the Aid and Rehabilitation of Drug Addicts ...	5,000	—	—	45,000	45,000
Society for the Relief of Disabled Children ...	1,255,700 (108,609)	1,431,800	2,565,800	—	—
The Hong Kong Society for Rehabilitation ...	150,000	584,000	830,807	2,869,726	4,689,150
Tung Wah and Associated Hospitals ...	(36,743)	600,000	(32,483)	(26,659)	(27,330)
Tung Wah Sandy Bay Convalescent Hospital ...	(40,000)	29,161,060	29,641,998	1,215,858	1,200,000
Wong Tai Sin Infirmary, Phases II & III ...	27,268,888	(74,369)	(186,442)	(11,902)	(149,389)
United Nations Children's Fund:	(125,833)	(1,099,447)	(1,340,726)	655,000	670,000
(1) Administration ...	(50,848)	—	—	—	(7,020)
(2) Relief Expenses ...	11,248	—	—	34,891,431	41,864,775
United Christian Hospital ...	31,200	—	—	(442,811)	(510,411)
University of Hong Kong ...	—	—	—	(189,837)	(5,603)
Centenary Block, Tung Wah Hospital ...	850,000	913,750	1,150,000	—	—
Total ...	45,165,314 (541,589)	50,432,975 (1,440,816)	55,606,978 (1,562,352)	61,494,576 (1,065,717)	78,520,012 (3,103,191)

TABLE 74

WORK OF THE GRANTHAM HOSPITAL 1971

Total Admissions	...	...	...	...	...	...	...	...	1,851
Total Discharges	...	...	...	...	...	...	...	...	2,672
Tuberculosis Cases	...	...	...	...	...	...	...	...	1,089
Non-tuberculosis Cases	...	...	...	...	...	...	...	...	1,583
Deaths	...	...	...	...	...	...	...	...	192
Surgery-operations performed:									
Lung	...	...	...	...	...	...	...	...	112
‘Open’ heart	...	...	...	...	...	...	...	...	38
‘Closed’ heart	...	...	...	...	...	...	...	...	120
Orthopaedic	...	...	...	...	...	...	...	...	39
Other	...	...	...	...	...	...	...	...	55

TABLE 75

WORK OF RUTTONJEE SANATORIUM 1967-71

Admissions	1967	1968	1969	1970	1971
Adults through Government Clinics	612	716	496	646	566
Children (pulmonary through Government Clinics)	31	11	7	5	5
Children (Orthopaedic)	21	19	14	7	6
Children (Miscellaneous)	*	40	33	52	56
Other admissions and re-admissions	660	715	839	867	861
TOTAL	1,324	1,501	1,389	1,577	1,494

* data not available.

TABLE 76

ADMISSIONS TO LEPROSARIUM 1971

	Adults		Children	Total
	Male	Female		
New Admissions	46	15	4	65
Re-Admissions	20	3	—	23
Total Admissions	66	18	4	88

TABLE 77

BUILDING PROGRAMME

I. BUILDINGS OR EXTENSIONS TO EXISTING BUILDINGS COMPLETED

(1) Government

- (i) *Standard Clinic for Kwai Chung North*—A standard urban clinic with general out-patient and maternal and child health services. Opened in November 1971.
- (ii) *Dental Clinic at Tai Lam*—A single-storey structure to provide dental care to staff and inmates of the prisons at Tai Lam and Siu Lam in Castle Peak as well as villages in the vicinity. Completed towards the end of the year.
- (iii) *Siu Lam Hospital for the Mentally Subnormal*—A 200-bed hospital at Siu Lam, New Territories, to provide accommodation for the severely retarded. Completed towards the end of the year.

II. PROJECTS UNDER CONSTRUCTION

(1) Government

- (i) *New Lai Chi Kok Hospital*—A new general, geriatric and infectious diseases hospital of some 1,320 beds. Site formation completed. Construction or super-structure in hand. Expected completion date is 1974.
- (ii) *New Vaccine Institute*—A new institute at Pok Fu Lam for the production of vaccines and their evaluation. Expected completion date is June 1972.
- (iii) *Queen Mary Hospital, Reprovisioning of the Mortuary, Virus Laboratory and Clinical Pathology Services*—A project to provide additional and improved facilities for the teaching of an increased intake of medical students and to provide further facilities for in-patients in the expanded hospital. Expected completion date is 1972.
- (iv) *Tsuen Wan/Kwai Chung Polyoclinic, Stage I*—A standard urban clinic with maternity home and with a Chest Clinic and Chest X-Ray Section. Expected completion date is mid-1972.
- (v) *Medical Department Laundry, Shau Kei Wan*—A laundry to be built on Hong Kong Island to deal with laundry items from medical institutions on the Island. Expected completion date is late 1972.
- (vi) *New Clinical Building, Queen Mary Hospital*—A project to provide further facilities for the clinical teaching of an increased intake of medical students. Expected completion date is 1972.
- (vii) *Victoria Public Mortuary*—Reprovisioning.

TABLE 77—Contd.

(2) *Government-assisted*

- (i) *United Christian Hospital, Kwun Tong*—A 555-bed acute general hospital with casualty and emergency services and out-patient departments. Expected completion date is mid-1973.
- (ii) *Yan Chai Hospital, Tsuen Wan*—A 100-bed sub-acute general hospital with out-patient department. Expected completion date is early 1973.
- (iii) *Centenary Block, Tung Wah Hospital*—A 12-storey building to provide 424 beds, new out-patient department, casualty department and quarters for hospital staff.
- (iv) *Redevelopment of Tung Wah Eastern Hospital*—A programme of alteration to convert the hospital into an acute and sub-acute hospital.

III. PROJECTS ON WHICH DETAILED PLANNING HAS COMMENCED

(1) *Government*

- (i) St. John Hospital, Cheung Chau—Out-patients Clinic and Major Alterations.
- (ii) Kowloon East Polyclinic.
- (iii) New Mental Hospital, Lai Chi Kok.
- (iv) New Lai Chi Kok General and Mental Hospital Combined Staff Quarters.
- (v) Health Office and Staff Quarters, Cheung Sha.
- (vi) Tsuen Wan/Kwai Chung Polyclinic, Kwai Chung South, Stage II.
- (vii) Castle Peak Hospital—Additions and Improvements.
- (viii) Specialist Clinic—Hong Kong Island East.
- (ix) Pharmaceutical Manufactory, Central Medical Stores, Government Supplies Department Compound, North Point—Alterations and Extensions.
- (x) Tsz Wan Shan Standard Urban Clinic and Maternity Home.

TABLE 78

NURSES IN TRAINING AT 31ST MARCH, 1972

Government School of Nursing (Male and Female)	...	...	...	...	...	...	...	714
Tung Wah Group of Hospitals	...	...	...	...	...	...	...	383
Alice Ho Miu Ling Nethersole Hospital	...	...	...	...	...	...	...	206
Hong Kong Sanatorium and Hospital	...	...	...	...	...	...	...	174*
Caritas Medical Centre	...	...	...	...	...	...	...	119
Total	...	...	...	...	...	...	...	<u>1,596</u>

* Including one male student nurse.

TABLE 79
OVERSEAS COURSES OF INSTRUCTION 1971-72
BY PLACE OF STUDY

Staff	U.K.	North America	Australia	S.E. Asia	Others	Total
Medical	18	—	—	3	2	23
Dental	1	—	—	4	1	6
Nursing	12	—	2	—	—	14
Medical Social Work	—	1	—	—	—	1
Occupational Therapist	1	—	—	—	—	1
Physiotherapist	3	—	—	—	—	3
Medical Laboratory Technician	3	—	—	—	—	3
Medical Technologist	1	—	—	—	—	1
Prosthetist	—	—	—	—	1	1
Scientific Officer (Medical)	—	—	—	—	1	1
Hospital Secretary	2	—	—	—	—	2
Assistant Medical Defence Staff Officer	—	—	1	—	—	1
Dispenser	3	—	—	—	—	3
Chemist	1	—	—	—	—	1
Pharmacist	1	—	—	—	—	1
TOTAL	46	1	3	7	5	62

BY SOURCE OF FUNDS

Staff	Courses of Study	Government	W.H.O.	Own Expenses	Others	Total
Medical	Diploma in Psychological Medicine ...	1	—	1	—	2
	D.P.H.	—	1	—	—	1
	M.R.C.P.	2	—	—	2	4
	D.M.R.D.	1	—	—	—	1
	D.M.R.T.	1	—	—	—	1
	F.F.R. (T)	1	—	—	—	1
	M.R.C.O.G.	1	—	3	—	4
	Diploma in Physical Medicine	—	—	—	1	1
	D.P.H. & D.I.H.	—	—	—	1	1
	F.F.A.R.A.C.S.	2	—	—	—	2
	F.R.C.S.	—	—	1	—	1
	Others	—	2	—	2	4

TABLE 79—Contd.
BY SOURCE OF FUNDS—Contd.

Staff	Courses of Study	Government	W.H.O.	Own Expenses	Others	Total
Dental	Crown & Bridge Course	1	—	—	—	1
	Dental Nursing	—	4	—	—	4
	Dental Nurse Tutor	—	1	—	—	1
Nursing	Ophthalmic Nursing Course	—	1	—	—	1
	Sister Tutor's Diploma Course... ..	1	—	—	—	1
	Middle Management Course (Nursing Administration)	1	—	—	—	1
	Nursing Administration Course	1	—	—	—	1
	Psychiatric Nursing	—	—	2	—	2
	Dietitian's Diploma Course	2	—	—	—	2
	Mental Subnormality Nursing	—	—	2	—	2
	T.S.C. & C.S.S.D.	1	—	—	—	1
	Renal Dialysis	—	—	1	—	1
	Diploma in Nursing Education	2	—	—	—	2
Medical Social Worker	Training organised by the Council of International Programs for Youth Leaders & Social Workers, Inc., USA.	—	—	—	1	1
Occupational Therapist	Study course on Job Placement of the Disabled	1	—	—	—	1
Physiotherapist	Physiotherapy Post-graduate Training Visits/Attachments	1	—	—	—	1
	Diploma Course for Teachers of Physiotherapy	2	—	—	—	2
Medical Laboratory Technician	A.I.M.L.T.	3	—	—	—	3
Medical Technologist	Overseas Medical Laboratory Technician Tutor's Course	—	—	—	1	1
Prosthetist	Prosthetic Training	1	—	—	—	1
Scientific Officer (Medical)	Advanced Course in Clinical Chemistry for Staff Members of Teaching Hospital Laboratories	—	1	—	—	1
Hospital Secretary	Attachment to the Department of Health & Social Security in London... ..	1	—	—	—	1
	Diploma Course in Hospital Administration	—	—	—	1	1
Assistant Medical Defence Staff Officer	General Administration, Organization & Training of Uniformed & Volunteer Services	1	—	—	—	1
Dispenser	Degree Courses in Pharmacy	3	—	—	—	3
Chemist	Toxicology	1	—	—	—	1
Pharmacist	Quality Control of Drugs	—	1	—	—	1
	TOTAL	32	11	10	9	62

TABLE 80

DEPARTMENTAL TRAINING 1971-72

(Position at 31st March, 1972)

	Appoint- ment	Resigna- tion	Strength at 31.3.72	Passed
Student Dispenser	24	7	59	10
Student Laboratory Assistant ...	7	3	16	5
Student Medical Laboratory Technician	16	5	50	8
Student Physiotherapist	17	2	34	13
Student Prosthetist	4	1	6	3
Student Radiographer:				
Diagnostic	8	2	13	9
Therapeutic	3	3	8	6
Medical Social Worker (In-training)	18	7	15	5
Student Health Auxiliary (Male and Female)	8	3	14	6
Student Health Visitor	10	—	—	9
1 year Midwifery Training for Registered Nurses	81	1	77	73
Student Midwife undergoing 2 year Training at Tsan Yuk Hospital	45	—	93	23
Student Nurse (Male and Female)	308	75	632	173
Student Nurse (Psy): (Male and Female)	39	8	82	15
Pupil Nursing Auxiliary: (Male and Female)	51	15	102	20
Pupil Nursing Auxiliary (Psy): (Male and Female)	7	4	26	4

TABLE 81

ATTENDANCE AT CONFERENCES ETC. OVERSEAS

Appointment	Conferences etc. attended	Place
Director of Medical and Health Services ...	} S.H.O. 22nd Regional Committee Meeting	Manila
Principal Medical and Health Officer ...		
Principal Medical and Health Officer ...	First Regional Seminar on Methods of Epidemiological Surveillance and Geographical Pathology	Manila
Principal Medical and Health Officer ...	Regional Seminar on Hospital Administration and Planning	Manila
Specialist (Tuberculosis Control) ...	} 21st International Tuberculosis Conference. Second Regional Seminar on Tuberculosis Control	Moscow Seoul
Senior Nursing Officer ...	Seminar in Effective Nursing Care	Copenhagen
Government Pathologist	Asian Pacific Meeting on Laboratory Animals	Tokyo
Senior Specialist (Radiology) i/c ...	} First Asian and Oceanian Congress of Radiology	Melbourne
Specialist (Radiotherapy)		
Specialist (Radiodiagnosis)		
Specialist (Psychiatry) ...	Seminar on the Standardization of Psychiatric Diagnosis, Classification and Statistics	Tokyo
Nursing Officer ...	Seminar on Safety Measures in the Operating Theatre of Royal Australasian College of Surgeons	Melbourne
Senior Medical and Health Officer ...	Speakers Panel Seminar	London
Acting Senior Medical and Health Officer ...	} 11th Annual Meeting of the Japanese Society of Nuclear Medicine	Tokyo
	} 10th Meeting of Japan Radioisotope Conference	Tokyo

TABLE 82

OVERSEAS VISITORS

GENERAL

1.4.71–30.4.71	Mr. and Mrs. G. L. PEARSON.
6.5.71–13.5.71	Dr. E. D. COOPER, Medical Officer of Health City of Cape Town.
19.5.71–22.5.71	Dr. David K. LEVIN from Ohio, U.S.A.
25.5.71–24.6.71	Mr. J. F. BARROW, Assistant Director of Commerce and Industries Department, Hong Kong Government, Washington Officer (designate) and Mrs. J. F. BARROW.
29.7.71–2.8.71	Professor J. H. MARTIN of the Department of Medical Biophysics, Dundee University, Scotland.
4.9.71–6.9.71	Professor PEPYS, Professor in Clinical Immunology, Director, Department of Clinical Immunology, Institute of Diseases of the Chest, University of London, Brompton.
11.9.71–18.9.71	Mr. Charles FLETCHER-COOKE, Q.C., M.P. from Darwen, Lancashire.
5.10.71–9.10.71	Dr. Jerry M. RUSSELL, Administrative Director of postpartum programme, The Population Council, New York, U.S.A.
12.10.71–14.10.71	Dr. W. MURPHY, Director, Division of Public Health, New Zealand.
13.10.71	Mr. N. J. BRUNE, Technical Director, W.S. Atkins and Partners.
15.10.71	Mr. Takeo ISHIMARN, Chief of The Hospital Architecture and Equipment Department, The Institute of Hospital Administration, Government of Japan.
17.10.71–19.10.71	Mr. F. J. ALDRIDGE, Controller and Under Secretary and Mr. S. M. DAVIES, Director, Industries and Exports Branch, Department of Health and Social Security, London.
25.10.71–27.10.71	Miss Jean GARSIDE, M.B.E., Executive Director of the Australian Council for Rehabilitation of Disabled.
25.10.71–6.11.71	Dr. Amado MACARANAS and Dr. Manuel SANCHEZ from The Philippines, advisors on narcotic problems.
15.11.71	Mrs. Nancy HARRINGTON of the Southwest Mississippi General Hospital.
9.12.71–16.12.71	Professor R. E. STEINER, Head of the Department of Diagnostic Radiology at the Royal Postgraduate Medical School.
9.2.72	Dr. W. M. HAINING, an ophthalmologist from Dundee.

TABLE 82—*Contd.*

9.2.72–10.2.72	Dr. ROSEN of the Manchester Eye Hospital.
13.2.72–15.2.72	Sir Alec DOUGLAS-HOME, K.T., M.P., Secretary of State for Foreign and Commonwealth Affairs.
2.3.72	Professor F. ICHIDA from Medical Department of Niigata University, Japan.
4.3.72–7.3.72	Dr. J. H. GESA, Minister of Health, Uganda and five members of the Ugandan Delegation.
8.3.72–10.3.72	Professor T. CRAWFORD, President of the Royal College of Pathologists and Professor of Pathology, St. George's Hospital, London.
10.3.72–16.3.72	Dr. D. WHITTET, Chief Pharmacist, Department of Health and Social Security, London.
15.3.72	Dr. Rosemary STEWART, Fellow at the Oxford Centre for Management Studies.

W.H.O. AND U.N.I.C.E.F.

Consultant and Administrative

9.7.71–11.7.71	Dr. L. SUNDBOM, W.H.O. Medical Physicist.
30.9.71–1.10.71	Dr. W. LANE-PETTER, W.H.O. Short-term Consultant on animal housing and the care of experimental animals.
11.10.71–16.10.71	Mr. E. S. KRISHNAMOORTHY, Member of the U.N. International Narcotics Control Board.
14.10.71–17.10.71	Dr. Samuel M. WISHIK, Consultant on the Teaching of Family Planning, Human Reproduction and Population Dynamics in Medical Schools.
15.10.71–18.10.71	Eight officials of the Turkish Family Planning Association.
22.10.71–1.11.71	Mr. Isakala PAENIU, Mr. Ibeata TONGANIBEIA, Mr. Paul TOKATAKE and Mr. Tom AINSWORTH of the Study Mission from the Gilbert and Ellice Islands.
7.11.71–9.11.71	Dr. HANSLUWKA, Workshop Director and Medical Officer from the Dissemination of Statistical Information, W.H.O. Headquarters, Geneva.
17.11.71–28.11.71	Dr. E. M. DEMAEYER of the Nutrition Division of W.H.O. Headquarters.
24.11.71–28.11.71	Dr. Ali A. ZAHEDI, Col. Dr. Ismail YAZDANI, Mr. M. G. ASHTIANI and Mr. Amir Hosein ALEMI of the Iranian Group Study Tour in Family Planning.

TABLE 82—*Contd.*

25.11.71–1.12.71	Mrs. R. LUNT of the Cancer Unit of W.H.O. Headquarters, Geneva.
3.2.72–4.2.72	Dr. S. FLACHE, Director of Health Services, W.H.O. Regional Office for the Western Pacific.
2.3.72–6.3.72	Dr. John HIGGINSON, Director of International Agency Research Cancer.
<i>Fellowship</i>	
3.5.71–5.5.71	Dr. Muna AL-SALIHI, Dr. Fouad H. GHALI and Miss Makroohy OHANESIAN of Iraq. Fellowships in family planning.
2.7.71–23.7.71	Mr. Oupatump THANOMSATYA of Thailand. Fellowship in rehabilitation of socially-handicapped women.
26.7.71–30.7.71	Dr. Norman T. BARNETT of New Zealand. Fellowship in public health administration and social problems.
9.8.71–13.8.71	Dr. Kokila VAIDYA of Nepal and Dr. Chalam NOMSIRI of Thailand. Fellowships in maternal and child health and family planning.
30.8.71–19.11.71	Dr. Uneklabh THONGCHAI of Thailand. Fellowship in rehabilitation of narcotic drug addicts.
6.9.71–18.9.71	Mr. Carlo T. PENARANDA of the Philippines. Fellowship in Physiotherapy.
13.9.71–17.9.71	Dr. Nobuo ONODERA and Dr. Fujio. KUMAGAI of Japan. Fellowships in public health administration.
25.10.71–29.10.71	Dr. Akhtar KHOSHBEEN of Afghanistan Fellowship in mental health services.
1.11.71–19.11.71	Mrs. Anne Shu-chu CHEN of Taiwan Fellowship in venereal disease control.
15.11.71–3.12.71	Mrs. Mei-Fei WANG of Taiwan. Fellowship in venereal disease control.
29.11.71–3.12.71	Mrs. Luzonica M. PESIGAN of the Philippines. Fellowships in food and drug control.
3.1.72–14.1.72	Dr. Marie O. Y. NAZARETH of India. Fellowship in tuberculosis control.
28.2.72–3.3.72	Mr. Anthony NG Wan Tho of Brunei. Fellowship in international quarantine.

TABLE 83

PUBLICATIONS

BY MEMBERS OF THE MEDICAL AND HEALTH DEPARTMENT

Title of Articles	Publication	Author
'Thiopropazate Hydrochloride in irreversible Dyskinesia'	British Medical Journal, Volume 4, page 22-25.	K. SINGER, Specialist (Psychiatry), one of the Co-writers.
'Thiopropazate Hydrochloride in irreversible Dyskinesia'	British Medical Journal, Volume 4, page 626.	K. SINGER, Specialist (Psychiatry), one of the Co-writers.
'The Mental Health Service of Hong Kong'	Aspects of Mental Health in Hong Kong.	K. SINGER, Specialist (Psychiatry).
'Physique and Mental Health'	Aspects of Mental Health in Hong Kong, November 1971.	K. SINGER, Specialist (Psychiatry), one of the Co-writers.
'Prognostic Studies on Narcotic Addiction'	Aspects of Mental Health in Hong Kong, November 1971.	K. SINGER, Specialist (Psychiatry), one of the Co-writers.
'Drinking Patterns and Alcoholism in the Chinese'	British Journal of Addiction, Volume 67, page 1-12.	K. SINGER, Specialist (Psychiatry), one of the Co-writers.
'Physique, personality and mental illness in the Southern Chinese'	British Journal of Psychiatry, Volume 120.	K. SINGER, Specialist (Psychiatry), one of the Co-writers.
'Psychotropic drugs in medical practise'	J. Hong Kong Medical Association.	K. SINGER, Specialist (Psychiatry).
'Transcultural Aspects of Depressive Disorders'	M. Hamilton (ed.). Depressive Disorders.	K. SINGER, Specialist (Psychiatry).
'Genetic and Environmental Factors in Nasopharyngeal Carcinoma'	Recent Advances in Human Tumor Virology and Immunology —Proceedings of the 1st International Symposium of the Princess Takamatsu Cancer Research Fund in Tokyo, 1970.	H. C. Ho, Senior Specialist (Radiology).

TABLE 83—*Contd.*

Title of Articles	Publication	Author
'Association between a Herpes—Type Virns and Nasopharyngeal Carcinoma—Present Status of Studies'	Recent Advances in Human Tumor Virology And Immunology—Proceedings of the 1st International Symposium of the Princess Takamatsu Cancer Research Fund in Tokyo, 1970.	H. C. Ho, Senior Specialist (Radiology) one of the Co-writers.
'Development of Cancer Treatment Facilities in Hong Kong'	Oncology 1970—Proceedings of the Tenth International Cancer Congress. Vol. III Diagnosis and Management of Cancer: General Considerations.	H. C. Ho, Senior Specialist (Radiology).
'The Natural History and Treatment of Nasopharyngeal Carcinoma (NPC)'	Oncology 1970—Proceedings of the Tenth International Cancer Congress. Vol. IV Diagnosis and Management of Cancer: Specific Sites.	H. C. Ho, Senior Specialist (Radiology).
'Incidence of Nasopharyngeal Cancer in Hong Kong'	UICC Bulletin, Cancer, Vol. 9, No. 2, June 1971.	H. C. Ho, Senior Specialist (Radiology).
'A Review of the Current Knowledge on the Epidemiology of Nasopharyngeal Carcinoma'	Oncogenesis and Herpesviruses—Proceedings of the Symposium on Oncogenesis and Herpes—Type Viruses, in Cambridge, 1971.	H. C. Ho, Senior Specialist (Radiology).
'Nasopharyngeal Carcinoma (NPC)'	Advances in Cancer Research—Vol. 15, 1972.	H. C. Ho, Senior Specialist (Radiology).
'Recent Development of Mental Health Programme in Hong Kong'	Mental Health Trends in Developing Society, pp. 115–120.	G. OU, Specialist (Psychiatry).

TABLE 83—*Contd.*

Title of Articles	Publication	Author
'Goals of Prevention Programmes in Hong Kong'	Proceedings of International Congress on Drug Dependence, October 1971.	G. OU, Specialist (Psychiatry).
'Some facts about the Drug Problem in Hong Kong'	Aspects of Mental Health in Hong Kong, pp. 57-61, November 1971.	G. OU, Specialist (Psychiatry).
'A comparative study of different techniques of giving BCG vaccination to newborn infants in Hong Kong'	Tubercle (1971) Volume 52, Number 4, page 247.	W. G. L. ALLAN, Specialist (Tuberculosis Control), one of the Co-writers.
'Adverse reactions to daily, and intermittent rifampicin regimens for pulmonary tuberculosis in Hong Kong'	British Medical Journal, 25th March, 1972, page 765.	W. G. L. ALLAN, Specialist (Tuberculosis Control), one of the Co-writers. WONG Hung-yan, Medical and Health Officer, one of the Co-writers.
'A Cephalometric Appraisal of the Chinese (Cantonese)'	The American Journal of Orthodontics, March 1972, Volume 61, No. 3.	Gordon CHAN Kam-hung, Senior Dental Officer.
'Problem children in Hong Kong'	Aspects of Mental Health in Hong Kong, November 1971.	W. H. LO, Specialist (Psychiatry).
'The success of drug treatment in Phobic disorders'	Asian Journal of Medicine Volume 8, March 1972, pp. 126-129.	W. H. LO, Specialist (Psychiatry).
'Oestrogen Profiles of Asian and North American Women'	The Lancet No. 7730, Volume 11, 23rd October, 1971.	CHAN WOO Ngai-chen, Specialist (Radiology).
'Erythema Induratum: Follow-up Study of 46 patients'	Dermatology Digest Volume 10, No. 3, March 1971.	WONG Kwok-on, Specialist (Social Hygiene).
'Some Aspects of Rehabilitation of the Mental Disorder Patients in Hong Kong'.	Aspect of Mental Health in Hong Kong, November 1971.	K. S. MA, Medical Social Worker, Class II.

TABLE 83—*Contd.*

Title of Articles	Publication	Author
'Conference Report on 24th Annual Meeting of the World Federation for Mental Health'	Social Work Today.	K. S. MA, Medical Social Worker, Class II.
'The New Life Psychiatric Rehabilitation Association'	Aspects of Mental Health in Hong Kong, November 1971.	Stella LIU, Medical and Health Officer.
'Direct Coombs Test and Methyldopa'	The Lancet, 16th October, 1971, page 881.	C. S. CHAN, Senior Medical Technologist. T. K. CHAN, Senior Medical Technologist. S. K. LEE, Senior Medical Technologist.
'The Pathologist and the Surgical Pathology of Head and Neck Tumours'	Journal of the Royal College of Surgeons of Edinburgh, Volume 16, pp. 177-134, May 1971.	T. B. TEOH, Government Pathologist.
'Social Aspects of Pulmonary Tuberculosis and Medical Social Service Involvement in T.B. Control in Hong Kong' (In Chinese)	The Hong Kong Nursing Journal, 10th Issue, May 1971.	Peggy CHAN, Senior Medical Social Worker.

TABLE 84

SAMARITAN FUND

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 1972

EXPENDITURE		INCOME	
Grants to needy patients for temporary maintenance, travelling expenses etc.	...	Donations	
...	...	The Royal Hong Kong Jockey Club	\$39,700.00
...	...	Li Po Chun Charitable Trust Fund	7,500.00
Balance carried to Accumulated Fund	...	Sir Robert Ho Tung Charitable Fund	25,000.00
		Others...	2,201.64
			\$ 74,401.64
			<u>\$ 74,401.64</u>

BALANCE SHEET AS AT 31ST MARCH, 1972

LIABILITIES		ASSETS	
Accumulated Fund as at 1st April, 1971	...	Cash with Accountant General	...
Surplus from Income and Expenditure Account	...	Cheque in hand	...
			...
			\$ 89,893.09
			<u>25,000.00</u>
			<u>\$114,893.09</u>

Certified Correct.

G. H. CHOA,
Director of Medical & Health Services.
1st June, 1972.

CERTIFICATE OF THE DIRECTOR OF AUDIT

I have examined the attached Balance Sheet and the accompanying Income and Expenditure Account in accordance with the provisions of Section 8(1) of the Audit Ordinance. I have obtained all the information and explanations that I have required and I certify as a result of my audit that in my opinion the attached Balance Sheet and the accompanying Income and Expenditure Account are correct.

AUDIT DEPARTMENT,

Hong Kong, 23rd June, 1972.

P. T. WARR,
Director of Audit.

REPORT ON THE SAMARITAN FUND 1.4.71—31.3.72

The Samaritan Fund is entirely dependent on voluntary donations and a total of \$74,401.64 was received during this financial year. The main purpose of the Fund is to give financial assistance to needy patients to meet the expenses of transportation to hospitals and clinics to enable them to obtain essential medical treatment, and to assist in the payment of rent and school fees etc. Small monetary grants are also made to assist needy patients for the purchase of clothing, daily necessities and food for extra nourishment after discharge from hospital. With the very generous donations by The Royal Hong Kong Jockey Club, Sir Robert Ho Tung Charitable Fund and Li Po Chun Charitable Trust Fund, it has been possible to assist a total of 4,633 needy patients during this financial year.

G. H. CHOA,
Director of Medical & Health Services.
3rd July, 1972.

TABLE 85

LIST OF DONATIONS RECEIVED FOR THE YEAR ENDED
31ST MARCH, 1972*Samaritan Fund*

The Royal Hong Kong Jockey Club	...	...	\$39,700.00	
Sir Robert Ho Tung Charitable Fund	...	...	25,000.00	
Li Po Chun Charitable Trust Fund	...	...	7,500.00	
Others	...	...	2,201.64	\$74,401.64
				<hr/>

Christmas Fund

The Royal Hong Kong Jockey Club	...	...	\$10,100.00	
Others	...	...	9,930.00	20,030.00
				<hr/>

Miscellaneous

Patients' donations to Neuro-surgical Unit, Queen Elizabeth Hospital	...	...	\$ 2,400.00	
Patients' donations to Castle Peak Hospital Library	...	...	400.00	
The Royal Hong Kong Jockey Club:				
Additional donation for the construction of Siu Lam Hospital	...	...	1,564,000.00	
Additional donation for the construction of Tsuen Wan/Kwai Chung Polyclinic	...		770,000.00	2,336,800.00
				<hr/>
				<hr/>
				\$2,431,231.64
				<hr/>



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